

To.

Dr. Blaise D'souza [Public Information Officer (PIO)]
Principal Scientist, Division of Soil Physics,
Indian Institute of Soil Science,
Nabibagh, Berasia Road
Bhopal -462038

Application for seeking Information under the Right to Information Act 2005

Part I:

1. Name of the Applicant	Dr. Munna Singh
2. Date of Birth	10.09.1962
3. Gender : Male / Female	Male
4. Father's Full name	Shri. Ram Bharose
5. Mother's Full name	Smt. Krishna Devi
6. Present address	108, Shalimar Estate New Hyderabad Lucknow 226 007 Phone : 0522-4070519

Office address:

Department of Botany, University of Lucknow, Lucknow 226 007

Address for correspondence: 108, Shalimar Estate, New Hyderabad
Lucknow - 226007

Part II:

A. Specify the particulars of the information sought for :

This application pertains to the National Agricultural Innovative Project (NAIP) sub-project entitled "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" sub-project code: NAIP/Comp4/C30022, being operated in consortium mode with Consortium PI: Dr. M.V. Singh, Project Coordinator, Indian Institute of Soil Science, Bhopal.

In this connection I seek the following information under RTI Act 2005

1. Kindly provide information on the main scientific components of this sub-project (i.e. NAIP/Comp4/C30022) that are distinctly different from the "AICRP on Micronutrients" of which Dr. MV Singh of IISS, Bhopal is the present Project Coordinator, and a part of which is also being executed at the Botany Department of Lucknow University, Lucknow over the past three decades.
2. Kindly provide information on the Scientific Components and Deliverables that are assigned to the Consortium Co-PI at the Botany Department of Lucknow University, Lucknow in said NAIP.

Dr. Reddy / D.
Dr. K.S. Reddy

Dr. Reddy, kindly do the needful as I will be on leave
from to-morrow
A.S. Singh
16/6/20

3. Kindly provide a certified copy of the complete project document that is submitted by Professor Y.K. Sharma, Consortium Co-PI at the Botany Department of Lucknow University in the said NAIP
4. Kindly provide a certified copy of the Memorandum of Understanding (MoU) with respect to said NAIP that has been signed by the competent authority of the University of Lucknow.
5. Kindly provide a certified copy of the biodata / CV of Professor Y.K. Sharma, Consortium Co-PI from Lucknow University that he has submitted / enclosed / attached with the project document as one of the Co-PI of the Consortium NAIP
6. Kindly provide the list of scientific publications (giving full details about the name of the authors, title of publication, name of the journal, volume, page numbers and year of publication) of Professor Y.K. Sharma that are related to research components of the said NAIP and justify his expertise in the given area.
7. Kindly provide information on the scientific basis and name of the expert on account of which Professor Y.K. Sharma of the Botany Department of Lucknow University was identified to be included as Co-PI of the Consortium
8. Kindly provide information on the list of sponsored projects along-with the name of the funding agency and budget cost, that Professor Y.K. Sharma has successfully executed / has been executing, for being considered to be the Co-PI of the said NAIP Consortium, since such information is generally required to be given as background information for consideration by the funding agencies, and more so for the NAIP type projects involving World Bank money.

B. Whether the information sought is to be supplied :

In Printed form

In printed form

In diskette or floppy

Whether inspection of records also sought

yes, if found necessary

Whether application fee of Rs. 10 (rupees ten) paid. If so, please specify by cash / demand draft or Bankers cheque. Please enclose copy of the receipt. No fees required to be paid if the requester belongs to below poverty line category.

Application fee of Rs. 10/- vide IPO No. ^{38C 0281077} _{38C 0281085} is enclosed.

I shall pay all other dues if any i.e. photocopy charges etc. if so required.

Declaration of the Applicant

- i. I am a bonafide citizen of India and owe allegiance to the sovereignty, unity and dignity of India and have not voluntarily acquired citizenship of another country,
- ii. The information given by me in this form is true and I am solely responsible for its accuracy

Dated 07.06.2009

Signature of the Applicant

The info. is time-bound and may pl. be treated on
TOP-PRIORITY. *16/6/10*

**INDIAN INSTITUTE OF SOIL SCIENCE
NABI BAGH, BERASIA ROAD
BHOPAL – 462 038**

SPEED - POST

No.RTI/DTC/2010
Date: June 26, 2010

To,

Dr. Munna Singh
108, Shalimar Estate
New Hyderabad,
Lucknow – 226 007

Sub: Information under RTI Act 2005 – reg.
Ref: RTI Application dated 7/6/2010

Sir,

I would like to inform that our regular PiO Dr. Blaize D'souza is on leave. I was given the responsibility for sending the information to you in his absence. In this regard, please find enclosed herewith the desired information in four pages that obtained from Dr. M.V. Singh, PC (Micronutrients) for your kind information.

Kindly acknowledge the receipt of the information.

Yours faithfully,



Reddy
(K. Sammi Reddy) 2-6/6/10
Principal Scientist &
I/c. Public Information Officer

Encl.: As said above.



**All India Coordinated Scheme of Micro- and Secondary- Nutrients and
Pollutant Elements in Soils and Plants
Indian Institute of Soil Science, Nabibagh, Bhopal 462038**

Detail point-wise reply of information sought under RTI act 2005 for the points given in part II by Dr. Munna Singh, S/o Shri Ram Bharose, H.No. 108, Shalimar Estate, New Hyderabad, Lucknow 226 007, working at Department of Botany, University of Lucknow. Lucknow- 226 007 is given below:

Detail information sought under RTI for the NAIP sub project entitled "Understanding the mechanism of variations in status of a few nutritionally important micronutrients in some important food crops and the mechanism of micronutrient enrichment in plant parts" sub-project code: NAIP/Comp4/C30022 being operated in consortium mode at IISS, Bhopal for which Dr. M. V. Singh, is Consortium Principal Investigator.

- 1. Information on the main scientific components of this sub project (NAIP/Comp. 4/C4/C30022) that are distinctly different from the AICRP on Micronutrients of which Dr. M. V. Singh is project Coordinator and a part of which is being executed at Lucknow University, Lucknow**

The objectives of AICRP micronutrients and NAIP subproject C4/C30022 are given below.

Objectives of AICRP Micronutriments for various centres

1. Delineation of micro and secondary nutrient (MSN) deficient areas using GPS/GIS and soil fertility mapping
2. Micronutrient indexing for forecasting emerging micro- and secondary- nutrients disorders under different soil-cropping-management systems.
3. Standardize suitable soil test methods and establish critical levels for micro and secondary nutrient deficiencies and heavy metal toxicities in different soils and crops
4. Developing suitable amelioration techniques for increasing fertilizer-use-efficiency including organic manures, sewage, and sludge added for correcting MSN deficiencies in crops and soils
5. Monitoring heavy metal pollution and trace element toxicities in soils, plant and animal health
6. Inducing deficiency/ toxicity symptoms for diagnosing micro- and secondary-nutrient deficiencies and heavy metal toxicities in field crops
7. Screening of crop species and genotypes tolerant to micronutrient stress and heavy metal toxicities
8. Role of micro and secondary nutrients on reproductive physiology
9. Study nutrient interactions for balanced fertilization

Objectives of NAIP sub project C4/C30022

1. To study the variability across locations in the cultivars of some important crops viz., rice, wheat, maize, pigeon pea and bengal gram, for the content of nutritionally important micronutrients viz., zinc, iron, manganese and copper in seed and fodder
2. To investigate the plant physiological, anatomical and rhizospheric factors responsible for the observed variability in micronutrient uptake, absorption and translocation in seed and fodder of the crops under study
3. To study the mechanism of micronutrient enrichment of seed, straw and stover through foliar application of micronutrients
4. To conduct a preliminary study to relate the micronutrient content in seeds of the crops under study and their bioavailability in model laboratory animals, mouse and rabbit

2. Scientific component and deliverable that are assigned to CCPI at the Botany Department of Lucknow university, Lucknow

NAIP C4/C30022 objective: To investigate the plant physiological, anatomical and rhizospheric factors responsible for the observed variability in micronutrient uptake, absorption and translocation in seed and fodder of the crops under study- partly and some part wholly

Sl. No.	Activity	2 nd , 3 rd and 4 th year		
		Deliverables	Output	Outcome
1.	Study of the anatomical changes in contrast varieties of a few important food crops in relation to nutritionally important micronutrient interventions.	Plant anatomical parameter in contrast varieties of a few important food crops as influenced by deficient and sufficient soil micronutrient conditions	Effect of soil micronutrient status on plant anatomy of contrast varieties of selected crops	Anatomical traits of selected varieties affecting micronutrient acquisition

The techniques applied to Lucknow university are given below.

- The sand culture technique is used for raising plants to investigate the effect of nutrient disorders on morphology and physiology of crop plants.

- The technique is an adaptation of that used at Long Ashton Research Station, Bristol (UK) (Agarwala and Sharma, 1976).
- Develop visible symptoms of deficiency or excess of micro and secondary nutrients and pollutant elements to be used for diagnostic purpose under controlled conditions.
- Work out critical concentration of the elements, useful in diagnosis and evaluation of status of the nutrients in crop plants so as to optimize their production under the nutrient disorder through appropriate nutrient amendments.
- Determine the reproductive development and quality of seeds as affected by the nutrient disorders.

3. Kindly provide a certified copy of the complete project document that is submitted by Prof. Y.K. Sharma CCPI, Botany Deptt, Lucknow University in the said NAIP

The document signed by the vice chancellor, Lucknow university, Lucknow has been submitted to National Director, NAIP, PIU, KAB, ICAR, New Delhi – 110012. Please seek information from National Director, NAIP.

5. Kindly provide a certified copy of MOU with respect to said NAIP, that has been signed by the competent of university authority of Lucknow university:

The MoU certified by the vice chancellor, Lucknow University, Lucknow has been submitted to National Director, NAIP, PIU, KAB, ICAR, New Delhi – 110012. Please seek information from National Director, NAIP.

5. Kindly provide the certified copy of the biodata/ CV of Prof.. Y. K. Sharma with respect to said NAIP document as CCPI of sub project of NAIP

The document containing biodata/CV of Prof. Sharma, signed by the vice chancellor, Lucknow university has been submitted to National Director, NAIP, PIU, KAB, ICAR, New Delhi – 110012. Hence kindly seek information from National Director, NAIP, or from Prof. Y. K. Sharma.

6. Kindly provide the list of scientific publications of Prof. Y.K. Sharma, that relate to research components of the said project and justify his expertise in the given area

The certified CV document related to Dr. Sharma research publication that related to this NAIP subproject has been signed by the vice chancellor, Lucknow university and that has been submitted National Director, NAIP, PIU, KAB, ICAR, New Delhi – 110012. Please seek information from National Director, NAIP. Dr. Sharma is a plant physiologist with good reputation.

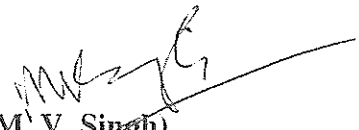
7. Kindly provide information on the scientific basis and name of expert on account of which Prof. Y.K. Sharma of Botany, Lucknow University was identified to be included as CCPI.

He was identified to be included as CCPI of the NAIP subproject based on the interactions with former Professors and Heads, Department of Botany, Lucknow university, Lucknow and Scientists of the AICRP Micronutrients, Lucknow University and CPI and approved by RPC of NAIP.

8. Kindly provide information on the list of sponsored project along with name of funding agency, budget cost, that Prof. Y. K. Sharma of Botany, Lucknow university has successfully executed / has been executing, for being considered Co PI of said NAIP which is required for projects involving world bank money.

Such information about list of sponsored project along with name of funding agency, budget cost, that are being executed by Prof. Y.K. Sharma, Deptt. of Botany, Lucknow university, Lucknow presented in the biodata / CV of Prof. Sharma, is given in the project document which has been submitted to National Director, NAIP, PIU, KAB, ICAR, New Delhi – 110012. Please seek this information from National Director, NAIP, New Delhi or from Prof. Sharma.

For more details, please see IISS web site: iiss.nic.in or NAIP subproject C4/C300022 website: <http://www.iiss.nic.in/naip/c4c30022/micronutrient.htm>.



(M. V. Singh)

**Project Coordinator Micronutrients
& CPI NAIP subproject C4/C30022**