

MEMORANDUM OF UNDERSTANDING

AN AGREEMENT made on 29th June day of two thousand and nine (2009) between National Bureau of Soil Survey and Land Use Planning, Nagpur (NBSS & LUP), ICAR having its Regional Centre at Kolkata, which expression shall include its successors and assign of the one part and Vivekananda Institute of Biotechnology, Ramkrishna Ashram, Nimpith, 24-Parganas (South) district, West Bengal which expressions shall include its successors and assigns of the other part.

WHEREAS the NBSS & LUP (ICAR), Nagpur as well as its Regional Centre, Kolkata is engaged in Research and Education in the field of Agriculture throughout the Eastern Region of the country and is an ICAR Institution.

AND WHEREAS Vivekananda Institute of Biotechnology, Ramkrishna Ashram, Nimpith, 24-Parganas (South) district, West Bengal is also engaged in research, education and extension work in the field of Agriculture in the state of West Bengal. It is recognized that NBSS & LUP (ICAR) and Vivekananda Institute of Biotechnology, Nimpith have common interest in the Natural Resource Management with special reference to **“Assessment and mapping of some important soil parameters including macro and micronutrients for the state of West Bengal”**. To this end, Strengthening of Research and Extension activity through Scientist's participation is agreed upon between two parties (as stated above NBSS & LUP (ICAR) & Vivekananda Institute of Biotechnology, Nimpith). The purpose of this agreement is for NBSS & LUP to finance the Vivekananda Institute of Biotechnology, Nimpith for the analysis of about 8000 surface soil samples (0-25 cm) in respect of 11 parameters viz. pH, E.C, O.C., Av. N,P,K,S, DTPA extractable Fe, Mn, Zn, Cu of the grid samples (1 km interval) collected from the districts of North and South 24-Parganas, West Bengal.

AND WHEREAS it is now thought necessary to specify basic terms and conditions agreed upon between the NBSS & LUP and Vivekananda Institute of Biotechnology, Nimpith.

Now it is hereby mutually agreed and declared by and between two parties here to as follows:

As per the proceedings of the meeting held on 28th April, 2009 in the Chamber of the Director, Vivekananda Institute of Biotechnology, Ramkrishna Ashram, Nimpith, 24-Parganas (South) district, West Bengal, the following decisions were undertaken.

- The Vivekananda Institute of Biotechnology is agreed upon for the analysis of soil samples for the eleven soil parameters viz. (pH, E.C., O.C., Av. N,P,K,S and micronutrient (DTPA extractable Fe, Mn, Zn, Cu) for about 8000 soil samples collected from North and South 24-Parganas districts and supply database.
- An amount not exceeding Rs.85/- (Rupees Eighty five only) **per sample** would be paid as the cost for analyzing the above mentioned eleven soil parameters.
- The charges for one acetylene gas cylinder for operating the Atomic Absorption Spectrophotometer Instrument would be borne by NBSS & LUP, Kolkata Centre.
- The time frame for completing the analytical work would be around five months from the date of receipt of the processed samples.

Director, NBSS & LUP (ICAR), Nagpur, will provide the expenditure towards the cost of soil analysis for eleven (11) soil parameters as mentioned above for the soil samples collected from North and South 24-Parganas districts, West Bengal.

NBSS & LUP, Nagpur & Kolkata shall not entertain any excess expenditure beyond the provision made in the agreement.

The progress of the work will be reviewed monthly jointly the Head, NBSS & LUP, Regional Centre, Kolkata and Dr. P. Sen, Jt. Director of Agriculture (Chemistry), Govt. of West Bengal & Nodal Officer of the project.

NBSS & LUP (ICAR), Nagpur shall be at liberty to revoke and/or cancel the agreement contemplated here at any point of time by giving three months notice or its intention to do so, to the Vivekananda Institute of Biotechnology, Nimpith, 24-Parganas (South).

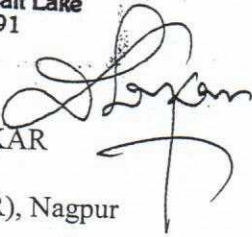
In witness thereof the parties here have signed the deed on the day and year first before written.

**For and on behalf of
NBSS & LUP (ICAR),
Nagpur**



DR. S.K. SINGH
Principal Scientist & Head
Regional Centre
NBSS & LUP (ICAR), Kolkata

S. K. SINGH
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DR. DIPAK SARKAR
Director
NBSS & LUP (ICAR), Nagpur

DR. DIPAK SARKAR
DIRECTOR
NBSS&LUP (ICAR), DARE, GOI
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**For and on behalf of
Vivekananda Institute of Biotechnology
Nimpith, 24-Pgs. (South)
West Bengal**



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