

From

The Member Secretary-cum-Director of Agriculture,
Haryana, Krishi Bhawan, Sector-21,
Panchkula

To

1. The Vice Chancellor, CCSHAU, Hisar
2. The Director General Horticulture, Haryana, Panchkula
3. The Director, Central Soil & Water Conservation Research & Training Institute, Chandigarh
4. Additional Director of Agriculture (SC)
5. Additional Director of Agriculture (SWM)
6. Additional Director of Agriculture (G)
7. Additional Cane Commissioner
8. Managing Director, (IFFCO),
Plot No. 2B & C, Sec.-28, Madhya Marg, Chandigarh
9. Managing Director, (KRIBHCO),
SCO No. 52-53, Sec. 34A, Chandigarh

Memo No.: 4226-34 /SC-III
Dated, Panchkula the : 21/09/15


Subject: 1st Meeting of SLEC on Soil Health Management component under National Mission for Sustainable Agriculture (NMSA)-regarding.

Reference: This office Memo No.: 3894-3902/SC-III, dated 07.09.2015.

The 1st meeting of SLEC on Soil Health Management component under National Mission for Sustainable Agriculture (NMSA) was scheduled to be held on 11-09-2015 at 12:30 PM under the Chairmanship of Addl. Chief Secretary, Department of Agriculture, Haryana. Due to some administrative reasons, the meeting was not held on the said date and time.


Now the 1st meeting of SLEC is fixed for 28-09-2015 at 11:00 AM under the Chairmanship of Addl. Chief Secretary, Department of Agriculture, Haryana in his Office Room No. 603, New Civil Secretariat, Sector-17, Chandigarh.

You are, therefore, requested to make it convenient to attend the meeting or depute the official concerned on above said date, time and Venue.


Member Secretary
-cum- Director of Agriculture,
Haryana, Panchkula

Endst No. 4235 /SC-III Dated, Panchkula:-21/9/15

A copy of above is forwarded to the Chief Scientist, Haryana Space Application Centre (HARSAC), CCSHAU Campus, Hisar with a request to make it convenient to attend the meeting on above said date, time and venue.


Member Secretary
-cum- Director of Agriculture,
Haryana, Panchkula

Cc: PS/ACS (Agri.)
PS/DA
Programmer for uploading on the departmental website.

Endst No. 4236

dated: 21/9/15

A copy of above is forwarded to Soil Testing Officer, Karnal for information with the request to make it convenient to attend the above said meeting along with detail of Soil Testing Laboratories lacking the facility of Micro-Nutrients analysis.

Addl. Director (SWM)
For Director of Agriculture, Haryana
Panchkula

Agenda Note for the 1st Meeting of State Level Executive Committee to be held on 28.09.2015 at 11.00 AM under the Chairmanship of Sh. Dhanpat Singh, IAS, Additional Chief Secretary, Agriculture Department, Haryana to Review Progress of Soil Health Management Component under National Mission for Sustainable Agriculture (NMSA).

Appraisal of Scheme

The Government of India had brought out the detailed Operational Guidelines for implementation of Mission Intervention on Soil Health Management (SHM) under National Mission for Sustainable Agriculture (NMSA). SHM will aim at promoting as well as crop specific sustainable soil health management, creating and linking soil fertility maps with macro-micro nutrient management, judicious application of fertilizers and organic farming practices. The Centrally Sponsored Scheme includes Soil Health Card (SHC), Soil Health, and Paramparagat Krishi Vikas Yojana (PKVY) components which are to be implemented by the State. Rests of the components are to be implemented by the Central Sector i.e. SAUs/ NABARD/ Central Govt. Institutes. All the components are to be implemented on **50:50 (Centre : State) basis**.

For effective implementation of the Mission in the State, the District Level Executive Committee (DLEC) had also been constituted in addition to SLEC which is responsible for carrying forward the objectives of the scheme for project formulation, implementation and monitoring at district level. The Deputy Director of Agriculture shall be the District Nodal Agency. The Annual Action Plan and progress of different components are as under:-

Agenda Item No. 1: Soil Health Card Scheme

Objectives

- i) To issue soil health cards every 3 years, to all farmers of the country, so as to provide a basis to address nutrient deficiencies in fertilization practices.
- ii) To strengthen functioning of Soil testing Laboratories (STLs) through capacity building, involvement of agriculture students and effective linkage with Indian Council of Agricultural Research (ICAR)/State Agricultural Universities (SAUs).
- iii) To diagnose soil fertility related constraints with standardized procedures for sampling uniformly across states and analysis and design taluqa/block level fertilizer recommendations in targeted districts.
- iv) To develop and promote soil test based nutrient management in the districts for enhancing nutrient use efficiency.
- v) To build capacities of districts and state level staff and of progressive farmers for promotion of nutrient management practices.

Expected Outcome

- i) Distribution of Soil Health Cards to all farmers in a round of every three years to promote Soil Health Management.
- ii) It will promote balanced and judicious use of plant nutrients.
- iii) Promotion of integrated nutrient system is expected to reduce the consumption of chemical fertilizers by 20%.
- iv) The productivity of selected crops is expected to increase significantly. v. The demand for organic sources of plant nutrient like bio-fertilizers, organic manure, vermi-compost, slow release nitrogenous fertilizer like neem/sulphur coated urea will increase, which in turn improve the soil fertility as well nutrient use efficiency.

Annual Action Plan for the year 2015-16.

Sr. No.	Component	Physical (No./Ha)	Financial (Rs. in Lakhs)	Remarks
1	Soil Health Cards			
(i)	No. of Districts to be covered	21		
(ii)	No. of Blocks to be covered	40		
(iii)	No. of Villages to be covered	2200		
(iv)	No. of irrigated Holdings	10.00 lakh Ha		
(v)	No. of Rain-fed Holdings	1.26 lakh Ha		
(vi)	No. of samples to be drawn from irrigated holdings	2.35 lakh		
(vii)	No. of samples to be drawn from rain-fed holdings	0.15 lakh		
(viii)	Total No. of samples to be collected and analyzed	2.50 lakh		
(ix)	Total No. SHCs to be issued	5.25 lakh		
(x)	Amount required @ Rs. 190/-sample		475.00	
2.	Training of Technical Staff			
(i)	No. of one week orientation training for Soil Chemist for soil analysis and fertilizer recommendation in batches of 20 participants	10		
(ii)	Amount required @ Rs. 60,000/- training		6.00	
3.	Financial assistance for Micronutrients and soil ameliorants			
(i)	No. of farmers to be covered under:-			
	(a) Gypsum/Phosphogypsum	2000 No.		
	(b) Micronutrients	2000No.		
	(c) Bio-fertilizers	2000No.		
(ii)	Area to be covered			
	(a) Gypsum/Phosphogypsum	5000 Ha		
	(b) Micronutrients	2000 Ha		
	(c) Bio-fertilizers	2000 Ha		
	Amount Required		50.00	
4	Capacity Building			
(i)	Farmers Training			
	a) No. of 2 days farmers training to be organized with 30 participants	20		
	(b) Amount required for training @ Rs. 24,000/- per training		4.80	
(ii)	Training of Staff(Agri./ICAR)			
	(a) No. of 2 days Staff training to be organized with 20 participants	20		
	(b) Amount required for training @ Rs. 36,000/- per training		7.20	
(iii)	Use of ICT		12.93	
(iv)	Workshop to create awareness among farmers and soil sampling themes by SAUs/ICAR Experts		1.50	
5.	Mission management (1% of total budget)		5.57	
	Grand Total		563.00	
	GoI Share (50%)		281.50	
	State Share (50%)		281.50	

The Annual Action Plan has already been approved by the State Level Committee (SLC) under NMSA in the meeting held on 09.06.2015. The same has also been approved by the

GoI. An amount of Rs. 197.84 lakh (under General category); Rs. 34.47 lakh (under SC category) and Rs. 17.23 lakh (under ST category) has been released by the GoI for the year 2015-16.

The Soil Samples are to be collected at 2.5 ha grid from irrigated area and at 10 ha grid from rain-fed area. A target of 2.50 lakh soil samples has been fixed for the year 2015-16. The village grid maps prepared by the Haryana Space Application Centre (HARSAC), Hisar have been provided to the Deputy Director(s) of Agriculture for collection of GPS based soil samples. The soil samples are being collected by the field functionaries (ADOs).

The following points are to be discussed in the meeting:-

- i) Number of village grid maps of targeted Blocks for the year 2015-16 have been prepared by the HARSAC and provided to the DDAs for collection of soil samples.
- ii) Number of soil samples collected so far.
- iii) Number of soil samples analyzed.
- iv) Uploading the data on Soil Health Card portal.

Agenda Item No. 2: Soil Health

Objectives

- i) Setting up new Soil Testing Laboratories (STLs) and Mobile Soil Testing Laboratories (MSTLs) for macro nutrients and micro nutrients analysis.
- ii) Strengthening of existing State STLs for micronutrient analysis.
- iii) Capacity building through training of STL staff/extension officers/farmers and field demonstration/workshop etc.
- iv) Creation of data-bank for balanced use of fertilizers, which is site specific.
- v) Adoption of village by STLs (10 villages each) through Frontline Field Demonstrations.
- vi) Preparation of digital district soil maps (using Global Positioning System) and soil fertility monitoring system by ICAR/State Agriculture Universities (SAUs).
- vii) Providing portable soil testing kits to field level officers of State Govt.
- viii) Promotion and distribution of micronutrients.
- ix) Strengthening of Fertilizer Quality Control Laboratories.
- x) Strengthening/up-grading existing State Fertilizer Quality Control Laboratories.
- xi) Setting up of New Fertilizer Quality Control Laboratories by State Governments.

Annual Action Plan for the year 2015-16

(Rs. in lakh)

Sr. No.	Component	Rate per unit	Physical (No./ Ha)	GoI Share	State Share	Total
1	Strengthening of existing STLs/MSTLs	45.00	1	22.50	22.50	45.00
2	Training for STL/Field staff (20 participants or more)	0.25	34	4.25	4.25	8.50
3	Training to farmers including field demonstration (20 participants or more)	0.10	34	1.70	1.70	3.40
4	Front line demonstration	0.20	34	3.40	3.40	6.80
5	Creation of District wise Digital Soil Fertility Maps	-	-	40.00	40.00	80.00
6	Promotion and distribution of Micronutrients	0.005	40000	100.00	100.00	200.00
	Total	-	-	171.85	171.85	343.70

Note: Out of 50% State share, 25% cost of Micronutrient fertilizers shall be borne by the farmers.

The Annual Action Plan has already been approved by the State Level Committee (SLC) under NMSA in the meeting held on 09.06.2015. The same has also been submitted to the GoI for approval. No funds have been received from the GoI so far. However, a provision of Rs. 244.57 lakh has been made by the GoI as its share for the year 2015-16.

The CCSHAU, Hisar submitted the proposal for strengthening of 2 STLs, whereas, the SLC has approved strengthening of one STL only. Accordingly, the above Annual Action Plan

was submitted to the GoI. It is pertinent to mention here that the facility of testing of micro-nutrients is not available in the STLs Jhajjar, Nuh, Ferozpur Zhirka and Naraingarh. In the Video-Conference held on 08.09.2015, the Additional Commissioner (INM), GoI informed that the State may revise the Action Plan and submit accordingly for approval. **Thus, the SLEC is requested to approve the proposal to include the strengthening of another One STL of CCSHAU, Hisar and aforesaid 4 STLs of the State in the revised Action Plan for the year 2015-16.**

**Agenda Item No. 3: Paramparagat Krishi Vikas Yojna(PKVY)
Objectives**

Organic agriculture is a production of agricultural products free from chemicals and pesticides residues by adopting eco-friendly low post technologies. "Paramparagat Krishi Vikas Yojna (PKVY)" is an elaborated component of Soil Health Management (SHM) of major project under NMSA. Under PKVY organic farming is promoted through by adoption of organic village cluster approach and PGS certification.

Expected Outcome

- i) Promotion of commercial organic production through certified organic farming.
- ii) The production will be pesticides residue free and will contribute to improve the health of consumer.
- iii) It will raise farmer's income and create potential market for traders.
- iv) It will motivate the farmers for natural resource mobilization for input production.

Annual Action Plan (AAP)-2015-16 for promotion of Organic Farming in Haryana State under NMSA including PKVY.

(Rs. in lakh)
(Area in hectare)

S. No.	Component	Assistance required (in Rs.)	Remarks
1	Setting up of Input Production Units		
1.1	Setting up of mechanized Fruit/Vegetable market waste / Agro waste compost production unit	190	Municipal Corporation
1.2	Setting up of State of art liquid / carrier based Bio fertilizer Bio pesticide units;	160	Private
	Total	350	
2	Quality Control of Bio-fertilizers and Organic Fertilizers		
2.1	Setting up of Bio-fertilizer and Organic fertilizer testing Quality Control Laboratory (BOQCL)	85	Proposal will be sent to Project Sanctioning Committee
2.2	Strengthening of existing Laboratory under FCO	45	Proposed at SAU's
	Total	130	
3	Promotion of Organic Input on Farmers' Fields		
3.1	Promotion of Organic Input on farmers field (manure, Vermi compost, Bio-fertilizer liquid / solid, Waste compost, Herbal extracts)	50	
4	Promotion of Organic Research and Development		
4.1	Support to research for development of organic package of practices specific to state and cropping system	0.00	Proposal will be sent after communication with SAU's
4.2	Setting up of separate Organic Agriculture Research and Teaching Department	0.00	-do-
	Total	0.00	
	Grand Total	530	

5	Adoption of PGS certification through cluster approach			
5.1	Mobilization of farmers / local people to form cluster in 50 acre for PGS certification			
		Physical	Financial	
5.1.1	Conducting of meetings and discussions of farmers in targeted areas to form organic farming cluster @ Rs. 200 / farmer	1000	2.00	
5.1.2	Exposure visit to member of cluster to organic farming fields @ Rs. 200/ farmer	1000	2.00	
5.1.3	Formation of cluster, farmer pledge to PGS and Identification of LRP from cluster	0	0.00	
5.1.4	Training of cluster members on organic farming (3 trainings @ Rs. 20000 per training)	60	1.20	
	Total		5.20	
5.2	PGS Certification and Quality control			
5.2.1	Training on PGS Certification in 2 days @ Rs. 200 per LRP	20	0.08	
5.2.2	Training of Trainers (20) Lead Resource Persons @ Rs. 250 / day / cluster for 3 days	20	0.15	
5.2.3	Online Registration of farmer @ Rs.100 per member cluster x 50	20	1.0	
5.2.4	Soil sample collection and testing (21 samples/year/cluster) @ Rs.190 per sample for three years	20	0.798	
5.2.5	Process documentation of conversion into organic methods, inputs used, cropping pattern followed, organic manures and fertilizer used etc., for PGS certification @ Rs.100 per member x 50	20	1.0	
5.2.6	Inspection of fields of cluster member @ Rs.400 / inspection x 3 (3 inspections will be done per cluster per year)	20	1.20	
5.2.7	Residue analysis of samples in NABL (8 samples per year per cluster) @ Rs. 10,000/ sample	20	16.0	
5.2.8	Certification Charges	0	0.00	
5.2.9	Administrative expenses for certification	0	0.26	
	Total		20.488	

6	Adoption of organic village for manure management and biological nitrogen harvesting through cluster approach.			
6.1	Action plan for Organic Farming for one cluster			
6.1.1	Conversion of land to organic @ Rs. 1000/acrex50	20	10.0	
6.1.2	Introduction of cropping system; Organic seed procurement or raising organic nursery @ Rs. 500/acre/year x 50acres	20	5.0	
6.1.3	Traditional organic Input Production units like Panchagavya, Beejamruth and Jeevamruth etc. @ Rs. 150/unit/acre x 50 acre	20	15.0	
6.1.4	Biological Nitrogen Harvest planting (Gliricidia, Sesbania etc.) @ Rs. 2000/acre x 50 acres	20	20.00	
6.1.5	Botanical extracts production units (Neem cake, Neem Oil)@ Rs. 1000/unit/acre x 50 acre	20	10.00	
	Total		60.00	

6.2	Integrated Manure Management			
6.2.1	Liquid Biofertilizer consortia (Nitrogen fixing/Phosphate Solubilizing/potassium mobilizing biofertilizer)@ Rs. 500/acre x 50	20	5.00	
6.2.2	Liquid Biopesticides (Trichoderma viridae, Pseudomonas Fluorescens, Metarhizium Beaviouriebassiana, Pacelomyces, Verticillium) @ Rs. 500/acre x 50	20	5.00	
6.2.3	Neem Cake/Neem Oil @ Rs. 500/acre x 50	20	5.00	
6.2.4	Phosphate Rich Organic Manure/Zyme Granules @ Rs. 1000/acre x 50	20	10.00	
6.2.5	Vermi-compost (size 7'x3'x1') @ Rs. 5000/unit x 50	0	50.00	
	Total		75.00	
6.3	Custom Hiring Centre (CHC) charges			
6.3.1	Agricultural Implements (As per SMAM guidelines) i. Power Tiller ii. Conoweeder iii. Paddy thresher iv. Furrow opener v. Sprayer vi. Rose can vii. Top Pan balance	0	3.0	
6.3.2	Walk-in tunnels for horticulture (As per guidelines of MIDH)	0	0	
6.3.3	Cattle shed/poultry/piggery for animal compost (As per Guidelines of Gokhul scheme)	0	0	
	Total		3.00	
6.4	Packing, Labeling and Branding of organic products of cluster			
6.4.1	Packing material with PGS logo+Hologram printing @ Rs. 2500/acre x 50	20	25.00	
6.4.2	Transportation of organic produce (Four wheeler, 1.5 tone load capacity) @Rs. 120000 max. assistance for 1 cluster	20	24.00	
6.4.3	Organic Fairs (maximum assistance will be given @ 36330 per cluster)	20	7.26	
	Total		56.26	
	Grand Total		219.948	

The Annual Action Plan has already been approved by the State Level Committee (SLC) under NMSA in the meeting held on 09.06.2015. The same has also been approved by the GoI. No funds have been received from the GoI so far. However, a provision of Rs. 770.436 lakh has been made by the GoI as its share for the year 2015-16.

Agenda Item No. 4: Other Issues

- i) Shifting and re-designation of Divisional Soil Conservation Officer, Panchkula as Deputy Director of Agriculture (Soil Testing), Karnal
- ii) Shifting and re-designation of Soil Survey Officer, Ambala and Sonipat as Soil Testing Officer, Panchkula and Nuh.
- iii) Engaging One Data Entry Operator for each STL and One Programmer for STL, Karnal through Outsourcing Policy of the Govt.

Any other item with the permission of Chair.