

Market (NAM) through Agri-Tech Infrastructure Fund (ATIF) on 01.07.2015 with a budget of ₹ 200 crore and to be implemented during 2015-16 to 2017-18.

The scheme envisages implementation of the National Agriculture Market (NAM) as a Pan-Indian trading portal that would be deployable in regulated wholesale markets in States/UTs desirous of joining the e-platform. Small Farmers Agribusiness Consortium (SFAC) will implement the national e-platform in 585 selected regulated markets and will cover 400 mandis in 2016-17 and 185 mandis in 2017-18. Department of Agriculture, Cooperation and Farmers Welfare (DAC&FW) will meet the cost of software and its customization for the States. DAC&FW will also give grant as one time fixed cost for related equipment/infrastructure subject to a ceiling of ₹ 30.00 lakhs per Mandi. State Governments will propose the regulated markets which are to be integrated with NAM. The national e-platform is to be launched on 14th April, 2016.

The NAM e-market is expected to link farmers with markets across the State/country. It will also reduce information asymmetry between buyers and sellers, lead to real time price discovery, encourage greater transparency in auction processes, better realization based on quality of produce and facilitate online and immediate payment to the farmers. The farmer will thus be enabled to opt for the most remunerative option based on access to information on the best price that his produce can fetch on the e-portal from across the State/country.

#### **Adopting organic methods in cultivation**

1613. SHRI BASAWARAJ PATIL: Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

(a) the steps taken by Government for adopting organic methods in cultivation; and

(b) how many soil testing laboratories are working in the country, as on date, the details thereof, State-wise?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE (SHRI MOHANBHAI KALYANJIBHAI KUNDARIYA):

(a) Government is promoting organic farming through various schemes/programmes under the National Mission of Sustainable Agriculture (NMSA), National Mission on Oilseeds and Oil Palm (NMOOP) and Indian Council of Agricultural Research (ICAR) etc. The pattern of assistance is given in the Statement-I (*See below*).

(b) State-wise soil testing laboratories working in the country is given in the Statement-II.

**Statement-I***Pattern of assistance for adopting/promotion of organic farming*

| Component  | Pattern of assistance   |
|--|---|
| <b>National Mission of Sustainable Agriculture (NMSA)</b>  |   |
| 1. Promotion of Organic Inputs on farmer's field (Manure, Vermi-compost, Bio-Fertilizers Liquid/solid, Waste compost, Herbal extracts etc.)                | 50 % of cost subject to a limit of ₹ 5000/- per ha. and ₹ 10,000 per beneficiary. Propose to cover 1 million ha. area.  |
| 2. Paramparagat Krishi Vikas Yojana- (PKVY) Adoption of organic farming through cluster approach under Participatory Guarantee System (PGS) certification. | Under PKVY scheme-Fifty or more farmers will form a cluster and their 50 acres of land will be brought under Organic Farming. Details of Financial Assistance is as under:<br>(i) Each farmer will be assisted for procuring liquid biofertiliser Consortia (Nitrogen fixing/phosphate solubilising / Potash mobilising biofertiliser @ ₹ 500 per acre, liquid bio-pesticides @ ₹ 500 per acre, other bio pest which are locally available from natural resources @ ₹ 500 per acre and application of Phosphate Rich Organic Manure (PROM) @ ₹ 1000/ acre.<br>(ii) For constructing of vermi-compost production unit (7'x3'x1') including earthworms, preparation of pits, construction of brick walls, labour charges and other raw material @ ₹ 5000/ unit. |
| <b>Mission for Integrated Development of Horticulture (MIDH)</b>   |   |
| Vermi compost Units/organic input production).   | Assistance for establishing vermi compost units is @ 50% of cost subject to a maximum of ₹ 50,000/- per beneficiary for a unit having size of 30' x 8' x 2.5'. For smaller units, assistance is determined on pro-rata basis. For HDPE Vermi bed of 96 cft size (12'x4'x2'), the assistance is @50% of cost subject to a maximum of ₹ 8,000/- per bed. For organic certification, assistance is project based @ ₹ 5.00 lakh for a cluster of 50 ha. released in three installments.   |

**National Mission on oilseeds and Oil Palm (NMOOP):** Has launched a scheme for increasing production and productivity of oil seed crops in the country. The expenditure on subsidies and pattern of financial assistance between the Centre and State Share in the ratio of 90:10 for North East and Hilly states and it is 60: 40 for other States. Financial assistance is being provided for different type of components including bio-fertilisers, Supply of Rhizobium culture/Phosphate Solubilising Bacteria (PSB)/Zinc Solubilising Bacteria (ZSB)/ Azatobacter/Mycorrhiza and vermi compost.

**Rashtriya Krishi Vikas Yojana (RKVY):** Under RKVY, State Governments have flexibility and autonomy in the process of selection, planning, approval and execution of schemes including Organic Farming, as per their priorities. Accordingly, cost of projects under Organic Farming are approved by respective State Level Sanctioning Committees.

**Indian Council of Agricultural Research (ICAR):** Indian council of Agricultural Research (ICAR), Pusa, under Network project on *Soil Biodiversity-Biofertiliser* being operated in 14 different states has developed improved and efficient strains of biofertiliser specific to different crops and soil types. Liquid Biofertiliser technology with high shelf life has also been developed. The ICAR also imparts training, organizes FLDs etc. to educate farmers on the use of biofertiliser.

**Mission Organic Value Chain Development for North Eastern Region:** Realizing the potential of organic farming in the North Eastern Region of the country Ministry of Agriculture and Farmers Welfare has launched a Central Sector Scheme entitled “Mission Organic Value Chain Development for North Eastern Region” for implementation in the States of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura during 2015-16 to 2017-18.

**Statement-II***State-wise number of Soil Testing Laboratories in the country, their analyzing capacity and utilization during 2013-14*

| Sl. No        | Name of the State | No of Soil Testing Laboratories |        |                |        | Total  |        |       | Annual Analyzing Capacity in '000' | Sample Analyzed in '000' | Capacity Utilization (%) |
|---------------|-------------------|---------------------------------|--------|----------------|--------|--------|--------|-------|------------------------------------|--------------------------|--------------------------|
|               |                   | State Government                |        | Fert. Industry |        |        |        |       |                                    |                          |                          |
|               |                   | Static                          | Mobile | Static         | Mobile | Static | Mobile | Total |                                    |                          |                          |
| 1             | 2                 | 3                               | 4      | 5              | 6      | 7      | 8      | 9     | 10                                 | 11                       | 12                       |
| I. South Zone |                   |                                 |        |                |        |        |        |       |                                    |                          |                          |
| 1.            | Andhra Pr.        | 55                              | 5      | 27             | 1      | 82     | 6      | 88    | 413.00                             | 345.785                  | 83.73                    |
| 2.            | Karnataka*        | 56                              | 0      | 6              | 2      | 62     | 2      | 64    | 295.66                             | 194.81                   | 65.89                    |
| 3.            | Kerala            | 14                              | 11     | 1              | 0      | 15     | 11     | 26    | 218.00                             | 134.68                   | 61.78                    |
| 4.            | Tamil Nadu        | 30                              | 16     | 1              | 1      | 31     | 17     | 48    | 5796.72                            | 4823.54                  | 83.21                    |
| 5.            | Puducherry*       | 2                               | 0      | 0              | 0      | 2      | 0      | 2     | 4.00                               | 4.41                     | 110.25                   |
|               | TOTAL             | 157                             | 32     | 35             | 4      | 192    | 36     | 228   | 6727.38                            | 5503.23                  | 81.80                    |
| II. West Zone |                   |                                 |        |                |        |        |        |       |                                    |                          |                          |
| 6.            | Gujarat           | 132                             | 2      | 4              | 1      | 136    | 3      | 139   | 1412.00                            | 1199.13                  | 84.92                    |
| 7.            | Madhya Pradesh    | 50                              | 7      | 2              | 4      | 52     | 11     | 63    | 378.00                             | 346.52                   | 91.67                    |
| 8.            | Maharashtra*      | 123                             | 23     | 8              | 4      | 131    | 27     | 158   | 2241.35                            | 967.27                   | 43.16                    |
| 9.            | Rajasthan         | 34                              | 22     | 1              | 2      | 35     | 24     | 59    | 536.00                             | 402.69                   | 75.13                    |

|                        |     |    |    |    |     |    |     |         |         |        |
|------------------------|-----|----|----|----|-----|----|-----|---------|---------|--------|
| 10. Chhattisgarh       | 7   | 5  | 1  | 0  | 8   | 5  | 13  | 105.00  | 116.02  | 110.50 |
| 11. Goa                | 2   | 0  | 0  | 0  | 2   | 0  | 2   | 23.00   | 14.96   | 65.04  |
| TOTAL                  | 348 | 59 | 16 | 11 | 364 | 70 | 434 | 4695.35 | 3046.59 | 64.89  |
| <b>III. North Zone</b> |     |    |    |    |     |    |     |         |         |        |
| 12. Haryana            | 35  | 3  | 2  | 0  | 37  | 3  | 40  | 365.00  | 247.89  | 67.92  |
| 13. Punjab*            | 54  | 12 | 2  | 3  | 56  | 15 | 71  | 631.50  | 282.11  | 44.67  |
| 14. Uttarakhand        | 13  | 3  | 0  | 0  | 13  | 3  | 16  | 106.54  | 95.23   | 89.38  |
| 15. Uttar Pradesh      | 255 | 18 | 5  | 3  | 260 | 21 | 281 | 4159.50 | 3404.58 | 81.85  |
| 16. Himachal Pr.       | 11  | 4  | 0  | 0  | 11  | 4  | 15  | 125     | 124.38  | 99.50  |
| 17. J&K *              | 8   | 5  | 0  | 0  | 8   | 5  | 13  | 52.00   | 43.61   | 83.87  |
| 18. Delhi              | 1   | 0  | 0  | 0  | 1   | 0  | 1   | 5.00    | 0.46    | 9.20   |
| TOTAL                  | 377 | 45 | 9  | 6  | 386 | 51 | 437 | 5444.54 | 4198.26 | 77.11  |
| <b>IV. East Zone</b>   |     |    |    |    |     |    |     |         |         |        |
| 19. Bihar              | 39  | 0  | 0  | 0  | 39  | 0  | 39  | 230.00  | 248.71  | 108.13 |
| 20. Jharkhand          | 8   | 0  | 0  | 0  | 8   | 0  | 8   | 40.00   | 10.67   | 26.68  |
| 21. Odisha             | 17  | 6  | 1  | 0  | 18  | 6  | 24  | 270.00  | 255.06  | 94.47  |
| 22. West Bengal        | 10  | 8  | 0  | 2  | 10  | 10 | 20  | 112.40  | 60.43   | 53.76  |
| TOTAL                  | 74  | 14 | 1  | 2  | 75  | 16 | 91  | 652.40  | 574.87  | 88.12  |

Written Answers to

[11 March, 2016]

Unstarred Questions 103

| 1                 | 2                 | 3   | 4   | 5  | 6  | 7    | 8   | 9    | 10       | 11       | 12     |
|-------------------|-------------------|-----|-----|----|----|------|-----|------|----------|----------|--------|
| <b>V. NE Zone</b> |                   |     |     |    |    | 0    | 0   | 0    |          |          |        |
| 23.               | Assam*            | 7   | 4   | 0  | 0  | 7    | 4   | 11   | 84.00    | 60.76    | 72.33  |
| 24.               | Tripura           | 2   | 4   | 0  | 0  | 2    | 4   | 6    | 35.00    | 17.54    | 50.11  |
| 25.               | Manipur           | 4   | 4   | 0  | 0  | 4    | 4   | 8    | 40.00    | 1.37     | 3.43   |
| 26.               | Meghalaya         | 3   | 3   | 0  | 0  | 3    | 3   | 6    | 30.00    | 27.65    | 92.17  |
| 27.               | Nagaland          | 3   | 0   | 0  | 0  | 3    | 0   | 3    | 45.00    | 14.30    | 31.78  |
| 28.               | Arunachal Pradesh | 5   | 3   | 0  | 0  | 5    | 3   | 8    | 9.00     | 7.86     | 87.33  |
| 29.               | Sikkim            | 4   | 2   | 0  | 0  | 4    | 2   | 6    | 37.00    | 39.87    | 107.76 |
| 30.               | Mizoram           | 3   | 3   | 0  | 0  | 3    | 3   | 6    | 27.00    | 25.00    | 92.59  |
| TOTAL             |                   | 31  | 23  | 0  | 0  | 31   | 23  | 54   | 307      | 194.35   | 63.31  |
| GRAND TOTAL       |                   | 987 | 173 | 61 | 23 | 1048 | 196 | 1244 | 17826.67 | 13517.30 | 75.83  |

\* Information not provided/not provided correctly but taken previous years progress.