

वार्षिक रिपोर्ट

Annual Report 2011-2012

राष्ट्रीय जैविक खेती परियोजना
National Project on Organic Farming

राष्ट्रीय जैविक खेती केन्द्र
National Centre of Organic Farming
सेक्टर 19 हापुड रोड, गाजियाबाद
Sector 19, Hapur Road, Ghaziabad

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दूरभा"क I a 0120-2764906, 2764212, फैक्स सं. 0120-2764901

ई.मेल : nbdc@nic.in. वेबसाईट : <http://ncof.dacnet.nic.in>

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क्षेत्रीय केन्द्र

क्षेत्रीय जैविक खेती केन्द्र, बंगलूरु

क्षेत्रीय जैविक खेती केन्द्र, भुबनेश्वर

क्षेत्रीय जैविक खेती केन्द्र, हिसार

क्षेत्रीय जैविक खेती केन्द्र, इम्फाल

क्षेत्रीय जैविक खेती केन्द्र, जबलपुर

क्षेत्रीय जैविक खेती केन्द्र, नागपुर

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ANNUAL REPORT

2011-12

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राष्ट्रीय जैविक खेती परियोजना

पृष्ठभूमि:

राष्ट्रीय जैविक खेती परियोजना दसवीं पंचवर्षीय योजना से केन्द्रीय योजना के रूप में जारी है। योजना आयोग ने इसे अग्रणी योजना के रूप में दसवीं योजना के अंतिम दो वर्ष छह माह के लिये 01-10-2004 से रु.57.04 करोड़ के प्रावधान के साथ मंजूरी दी थी। यह योजना रु.101.00 करोड़ के प्रावधान के साथ 11वीं पंचवर्षीय योजना में निम्नांकित संशोधित उद्देश्यों के साथ जारी है:-

प्रमुख उद्देश्य

- सभी सहभागियों (Stakeholders) के तकनीकी क्षमता विकास, मानव संसाधन विकास, तकनीकी हस्तान्तरण, गुणवत्तायुक्त जैविक आदानों का उत्पादन तथा विकास सहित, तकनीकी क्षमता वर्धन के द्वारा देश में जैविक खेती को बढ़ावा।
- अनुसंधान एवं तकनीकी विकास द्वारा विकसित/शेष जैविक आदानों को संशोधित जॉच के मापदण्डों में शामिल करते हुए जैव उर्वरक एवं जैविक खादों को वैधानिक/अनिवार्य रूप से फर्टिलाइजर कंट्रोल आर्डर 1985 में जोड़ना।
- देश में जैविक खेती के विकास को बढ़ावा देना तथा उन्नयन में सहयोग करना।
- निरंतर पोषकों की आपूर्ति तथा मृदा स्वास्थ्य व उर्वरता बनाये रखने तथा मृदा में जीवांश के स्तर में निरंतर सुधार हेतु जैविक खाद व जीवाणु खाद आदानों के उत्पादन को प्रोत्साहित करना।
- उर्वरक गुण नियंत्रण आदेश की अनुपालना एवं जीवाणु खाद एवं जैविक खाद की गुणवत्ता जॉच हेतु केन्द्रीय गुण नियंत्रण संस्था के रूप में कार्य करना।
- अन्य जैविक आदान जो अभी तक गुण नियंत्रण प्रक्रिया के अधीन नहीं हैं के मानक तथा विश्लेषण प्रणाली का निर्धारण कर गुण नियंत्रण प्रक्रिया के अंतर्गत लाना।
- जैव उर्वरकों एवं जैव कीटनाशी जीवाणुओं के मातृ संबंधों का विकास, जॉच तथा संधारण करना तथा उद्योगों को आवश्यकतानुसार उपलब्ध कराना।
- जैविक प्रबंधन और स्थानीय जैविक स्रोतों के प्रबंधन पर लघु अवधि के प्रमाण पत्र प्रशिक्षण कार्यक्रम चलाना।
- राज्य सरकारों के गुणनियंत्रण विश्लेषकों तथा ऐसे उर्वरक निरीक्षकों को जो कि उर्वरक नियंत्रण आदेश के अनुपालन से जुड़े हैं के लिये प्रशिक्षण आयोजित करना।
- जैविक प्रबंधन, जैविक खेती प्रमाणिकरण, जैविक आदान उत्पादन तथा अन्य समकक्ष विषयों पर प्रशिक्षक प्रशिक्षण प्रमुखतया विस्तार संस्थाओं, प्रमाणीकरण संस्थाओं, किसानों, उत्पादन इकाइयों के अधिकारियों हेतु आयोजित करना।
- स्थानीय प्रक्रियाओं, आदानों तथा तकनीकों पर अनुसंधान तथा उनकी जॉच इत्यादि में सहयोग कर वॉछित उत्पादन प्रबंधन प्रक्रिया बनाना।
- जैविक मृदा स्वास्थ्य आकलन कार्यक्रम के तहत विभिन्न फसल चक्र स्थानों की मृदा की जॉच करना।

- जैविक खेती से संबंधित सभी सूचनाओं व आँकड़ों का संकलन करना तथा जानकारी का छपाई तथा इलेक्ट्रॉनिक माध्यमों द्वारा प्रचार प्रसार।
- जैविक खेती सूचना पत्र, जैव उर्वरक सूचना पत्र तथा अन्य प्रशिक्षण पुस्तिकाओं व तकनीकी जानकारी का प्रकाशन।
- प्रचलित प्रमाणिकरण कार्यक्रमों को मानकीय विकास, प्रचालन प्रक्रिया निर्धारण, मूल्यांकन तथा निगरानी प्रक्रिया इत्यादि में सहयोग करना।
- पी. जी. एस. प्रक्रिया का प्रचालन करना।
- सेमिनार कांफ्रेंस/प्रदर्शनी तथा छपाई व इलेक्ट्रॉनिक माध्यमों द्वारा जन जागृति करना।
- केन्द्रीय व राज्य सरकारों के जैविक खेती कार्यक्रमों की जाँच व मूल्यांकन में सहयोग करना।

संशोधित उद्देश्यों के तहत अनुमोदित घटक:

१. राष्ट्रीय/क्षेत्रीय जैविक खेती केन्द्रों को जारी रखना
 - (अ) राष्ट्रीय/क्षेत्रीय जैविक खेती केन्द्रों को जारी रखना तथा उनका सुदृढीकरण
 - (ब) राष्ट्रीय/क्षेत्रीय जैविक खेती केन्द्रों के लिये भवन निर्माण
२. जैविक आदान उत्पादन इकाइयों की स्थापना हेतु पूंजी निवेश सहायता प्रदान करना:
 - (अ) फल एवं सब्जी कचरा/कृषिकीय कचरा कम्पोस्ट उत्पादन इकाई, तथा
 - (ब) जैव उर्वरक एवं जैविक कीटनाशक उत्पादन इकाई
३. जैविक एवं जीवाणु गत आदानों के लिये गुणवत्ता नियन्त्रण एवं तकनीकी सहायता का विकास तथा अनुपालन
 - (अ) जैव उर्वरक एवं जैविक खादों की गुणता जाँच
 - (ब) अन्य जैविक आदानों की गुणता जाँच के लिये मानक प्रणाली का विकास
 - (स) प्रमाणीकृत एवं विश्वसनीय सूक्ष्म जीवाणुओं के स्ट्रेन्स की आपूर्ति, विकास एवं रखरखाव
४. निम्न प्रशिक्षणों द्वारा मानव संसाधन विकास:
 - (अ) जैविक खेती पर प्रमाणपत्र कोर्स
 - (ब) विश्लेषकों के लिये रिफ्रेशर प्रशिक्षण कार्यक्रम
 - (स) प्रशिक्षकों का प्रशिक्षण
 - (द) जैविक खेती के लिये क्षेत्र कार्यकर्ताओं/प्रसार अधिकारियों का प्रशिक्षण
 - (च) प्रशिक्षकों हेतु अंतरराष्ट्रीय प्रशिक्षण
५. जैविक मृदा स्वास्थ्य आकलन के लिये क्षमता विकास एवं जैविक पोषण संसाधनों की मैपिंग
६. जैविक पैकेज ऑफ प्रैक्टिस, जैविक आदान एवं जैविक प्रबंधन विकास के लिये अनुसंधान का बढ़ावा एवं सहायता, अध्ययन और/या सवैक्षण इत्यादि
७. सूचना पत्रों, प्रशिक्षण मैनुअल एवं साहित्य का प्रकाशन तथा जैविक खेती एवं आदानों से सम्बंधित आकड़ों का समवेष्टिकरण
८. कम लागत की वैकल्पिक प्रमाणीकरण - पी.जी.एस- के लिये क्षमता विकास

६. नये प्रयास, बाजार विकास, जागरूकता पैदा करना तथा प्रचार एवं मूल्यांकन

१०. केन्द्रीय एवं राज्य सरकारों की जैविक खेती योजनाओं का मूल्यांकन एवं निरीक्षण

कार्यकारी व्यवस्था

राष्ट्रीय जैविक खेती परियोजना भारत सरकार, कृषि मंत्रालय, कृषि एवं सहकारिता विकास के तहत समन्वित पोषण प्रवन्धन संयोग द्वारा चलायी जा रही है एवं इसके प्रमुख संयुक्त सचिव (INM) हैं। परियोजना के उद्देश्यों का अनुपालन एवं नियन्त्रण राष्ट्रीय जैविक खेती केन्द्र, गाजियाबाद (मुख्यालय के रूप में) एवं इसके तहत ६ क्षेत्रीय कार्यालयों, बैंगलोर, भुवनेश्वर, हिसार, इंफाल, जबलपुर एवं नागपुर द्वारा किया जाता है।

कार्याकारी दिशा निदेश

अनुमोदित घटकों का अनुपालन राष्ट्रीय एवं क्षेत्रीय जैविक खेती केन्द्रों के माध्यम से किया जाता है। विभिन्न घटकों की कार्यप्रणाली का विवरण निम्न प्रकार है:-

१. **आदान उत्पादन इकाइयों को वित्तीय सहायता** - इस घटक के अंतर्गत फल एवं सब्जी कचरा कम्पोस्ट एवं जैव उर्वरक एवं जैवीय कीटनाशक उत्पादन इकाइयों को वित्तीय सहायता दी जाती है। गैर सरकारी संस्थाएँ, कम्पनियाँ, उपक्रम एवं उद्योगों हेतु क्रेडिट-लिंक्ड बैंक एन्डेड सबसिडी योजना के तहत यह सुविधा उपलब्ध है तथा अनुदान का भुगतान/प्रति भुगतान नाबार्ड अथवा एनसीडीसी से प्राप्त किया जा सकता है। सरकारी एवं अर्द्धसरकारी संस्थाएँ (नगर निगमों सहित) आवेदन करके सीधे कृषि एवं सहकारिता विभाग से अनुदान प्राप्त कर सकते हैं। वित्तीय सहायता की अधिकतम सीमा - फल एवं सब्जी बाजार कचरा कम्पोस्ट के लिये कुल वित्तीय प्रावधान का ३३ प्रतिशत या रु ६० लाख, जो भी कम हो, तथा जैव उर्वरक एवं जीवाणु कीटनाशक उत्पादन इकाई के लिये कुल वित्तीय लागत का २५ प्रतिशत या रु ४० लाख जो भी कम हो।

२. **गुणवता नियन्त्रण प्रणाली का विकास एवं अनुपालन तथा जैविक एवं जीवाणु आदानों हेतु तकनीकी सहायता**:- एफ.सी.ओ. (उर्वरक नियंत्रण आदेश) के तहत पाँच जैव उर्वरक एवं तीन जैविक खादें शामिल की गयी हैं। उर्वरक नियंत्रण अधिनियम के तहत राष्ट्रीय जैविक खेती केन्द्र तथा इसके अधीन ६ क्षेत्रीय जैविक खेती केन्द्र गुणवता, जाँच प्रयोगशाला के रूप में अधिसूचित हैं। राज्य सरकारों से अधिकृत उर्वरक इंस्पेक्टर उर्वरक नियंत्रण आदेशों के प्रावधानों में अनुरूप गुणवत्ता जाँच हेतु नमूना एकत्र कर सकते हैं तथा उसे विश्लेषण के लिये राष्ट्रीय/क्षेत्रीय जैविक खेती केन्द्रों को भेज सकते हैं। इन नमूनों की जाँच रिपोर्ट नमूना संग्रहकर्ता को अग्रिम आवश्यक कार्यावाही हेतु उपलब्ध करा दी जाती है।

राष्ट्रीय/एवं क्षेत्रीय जैविक खेती केन्द्र परियोजना के तहत जाँच प्रोटोकॉल एवं मानकों को परिभाषित करने हेतु एवं नये जैविक उत्पादों के लिये अनुसंधान कार्य भी करते हैं। सघन मूल्यांकन के बाद इस तरह के प्रोटोकॉल नये उत्पादों की गुणवत्ता जाँच के लिये आवश्यक कानून एवं उचित नीति बनाने हेतु कृषि एवं सहकारिता विभाग को अग्रसारित किये जाते हैं।

जैव उर्वरक के उत्पादन हेतु प्रभावी सूक्ष्म जीवाणुओं के मातृ कल्चर की निरंतर माँग को पूरा करने के लिये इन केन्द्रों में ५०० से अधिक स्ट्रेन्स का रखरखाव किया जा रहा है। यह सभी स्ट्रेन्स

विभिन्न अनुसंधान संस्थाओं द्वारा विकसित किये गये हैं एवं व्यवसायिक उपयोग हेतु अनुशंसित हैं। ये स्ट्रेन्स उत्पादकों को न्यूनतम कीमत रु 20/ प्रति स्लान्ट की दर से उपलब्ध कराये जाते हैं। यदि स्ट्रेन डाक द्वारा मंगवाया जाता है तो इसकी कीमत रु 40/ प्रति स्लान्ट है। राष्ट्रीय/क्षेत्रीय जैविक खेती केन्द्र, उत्पादन इकाइयों की कुल माँग के लगभग 80 प्रतिशत माँग को पूरा करते हैं।

३. प्रशिक्षणों द्वारा मानव संसाधन विकास :-

राष्ट्रीय/ क्षेत्रीय जैविक खेती केन्द्रों द्वारा पाँच विभिन्न प्रकार के प्रशिक्षण कार्यक्रम अलग-अलग पाठ्यक्रमों के साथ आयोजित किये जाते हैं। ये कार्यक्रम हैं- (१) जैविक खेती हेतु प्रमाण पत्र-पाठ्यक्रम (२) रिक्रेशर प्रशिक्षण (३) क्षेत्र कार्यकर्ताओं/ एवं प्रसार अधिकारियों का प्रशिक्षण (४) प्रशिक्षकों का प्रशिक्षण (५) अंतराष्ट्रीय प्रशिक्षण/प्रशिक्षकों को अंतराष्ट्रीय एक्सपोजर।

इन प्रशिक्षणों में से अधिकांश कार्यक्रम राज्य सरकारों के अधिकारियों के लिये हैं। यह सभी प्रशिक्षण राज्य कृषि/वागवानी विभागों से परामर्श करके आयोजित किये जाते हैं। वर्ष २०१०-२०११ में ये सभी प्रशिक्षण कार्यक्रम राष्ट्रीय/ क्षेत्रीय जैविक खेती केन्द्रों द्वारा संचालित एवं आयोजित किये गये।

४. जैविक मृदा स्वास्थ्य आंकलन हेतु क्षमता विकास तथा अनुसंधान को बढ़ावा-

इस प्रकार के सभी कार्यक्रम भारतीय कृषि अनुसंधान परिषद एवं राज्य कृषि विश्वविद्यालयों द्वारा राष्ट्रीय जैविक खेती केन्द्र के साथ किये जाते हैं।

५. सूचना पत्रों, प्रशिक्षण मैनुअल एवं साहित्य का प्रकाशन-

तकनीकी एवं सूचना के प्रसार हेतु, दो सामयिक प्रकाशनों का निरन्तर प्रकाशन होता है:-

- (१) आर्गेनिक फार्मिंग न्यूज लेटर -त्रैमासिक
- (२) बायोफर्टिलिज़र न्यूज लेटर -अर्द्धवार्षिक

इसके अतिरिक्त राष्ट्रीय/ क्षेत्रीय खेती केन्द्र आवश्यक साहित्य तैयार करने एवं इनमें सघन वितरण के लिये भी उत्तरदायी हैं।

६. कम लागत के वैकल्पिक प्रमाणीकरण के लिये क्षमता विकास - किसान समूह केन्द्रीकृत प्रमाणीकरण व्यवस्था के लिये एक पीजीएस इंडिया कार्यक्रम शुरू किया गया है।

७. राज्यों एवं अनुपालन संस्थाओं की आवश्यकता के अनुरूप बाजार का विकास, नयी शुरूआत तथा मूल्यांकन गतिविधियाँ समय-समय पर की जाती हैं।

उपलब्धि सारांश वर्ष २०११-२०१२

१. कार्यालय भवनों का निर्माण: भूमि अधिग्रहण एवं भवन निर्माण के लिये वर्ष २०११-१२ महत्वपूर्ण रहा:

- राष्ट्रीय जैविक खेती केन्द्र का प्रशासनिक-सह-प्रयोगशाला भवन प्रशिक्षणार्थी आवास के साथ बनकर तैयार है। अग्निग्रहण विद्युत कनेक्शन न होने के कारण प्रतीक्षित है।
- क्षेत्रीय जैविक खेती केन्द्र, इंफाल का प्रशासनिक-सह-प्रयोगशाला भवन तैयार हुआ तथा कार्यालय कार्य नये परिसर में प्रारम्भ हुआ।
- क्षेत्रीय जैविक खेती केन्द्र, बंगलूरु एवं नागपुर की प्रयोगशाला सह प्रशासनिक भवन का निर्माण कार्य प्रारम्भ हुआ।
- काफी इंतजार के बाद क्षेत्रीय जैविक खेती केन्द्र, भुवनेश्वर के लिये भवन हेतु जमीन का अधिग्रहण किया गया तथा उड़ीसा सरकार के साथ पट्टे का करार-अनुबंध किया गया।

२. भर्ती एवं स्टाफ की स्थिति: इस वर्ष काफी अंतराल के बाद समूह 'क' एवं 'ख' के पदों के भर्ती नियम प्रकाशित किये गये। इस वर्ष स्टाफ की आवाजाही के कारण स्टाफ की अस्थिरता बनी रही।

३. व्यय: रुपये २० करोड़ के बजट अनुमान एवं रु. १७.६१ करोड़ के संशोधित अनुमान के सापेक्ष रुपये १४.५४३८ करोड़ का व्यय किया गया।

व्यय में कमी का मुख्य कारण योजनाओं का बीच में बाधित होना रहा जिसके कारण मुख्य शीर्षक ३६०१, ३६०२, २५५२ एवं अनुदान २४०१ के तहत व्यय नहीं हो पाया।

४. ई.एफ.सी. का अनुमोदन: संशोधित ई.एफ.सी. मेमो अनुमोदित होने पर अगस्त २०१० से नये रूप में अनुपालन में लाया गया। संशोधित उद्देश्यों एवं उत्तरदायित्वों में प्रत्यक्ष हस्तक्षेप कार्यक्रमों को दूसरी योजनाओं जैसे आर.के.वी.वाई. एवं राष्ट्रीय बागवानी मिशन आदि के लिये छोड़ते हुये सारा ध्यान तकनीकी क्षमता विकास, तकनीकी ज्ञान विकास एवं प्रचार, जैवीय मृदा स्वास्थ्य आंकलन क्षमता वर्धन एवं सहभागिता प्रतिभूति प्रणाली प्रचालन पर दिया गया है।

४. परियोजना अवयवों का प्रचालन

आदान उत्पादन इकाईयों को वित्तीय सहायता: वित्तीय सहायता की संशोधित संरचना को अगस्त २०१० में मान्यता दी गई। पूर्व में वित्तीय सहायता दिये जाने वाले तीन अवयवों के सापेक्ष वर्मी कल्चर उत्पादन इकाईयों को वित्तीय सहायता का प्रावधान समाप्त कर दिया गया। वर्ष २०११-१२ के दौरान वित्तीय सहायता हेतु नाबार्ड को कोई फण्ड जारी नहीं किया गया। यद्यपि पूर्व वर्षों में जारी की गयी वित्तीय सहायता के सापेक्ष फल एवं सब्जी बाजार अवशिष्ट से कम्पोस्ट बनाने की ३ इकाई एवं जैव उर्वरक उत्पादन की ४ इकाईयों को नाबार्ड द्वारा स्वीकृत किया गया।

५. **प्रशिक्षणों द्वारा मानव विकास:** चार प्रकार के कुल ८५ प्रशिक्षण कार्यक्रमों के लक्ष्य के सापेक्ष ८० प्रशिक्षण कार्यक्रम आयोजित किये गये जिनमें कुल १६२१ प्रशिक्षणार्थियों ने भाग लिया।
६. **गुणवत्ता नियंत्रण:** गुणवत्ता नियंत्रण हेतु २००० नमूनों के लक्ष्य के सापेक्ष उर्वरक गुण नियंत्रण आदेश के अनुसार १६०१ जैव उर्वरकों के नमूने एवं ३४६ जैविक खाद के नमूनों का विश्लेषण किया गया ।
७. **विभिन्न जैविक आदानों की गुणवत्ता बिन्दुओं का अध्ययन करना:** ऐसे विभिन्न जैविक आदान जो किसी भी गुण नियंत्रण प्रक्रिया के अंतर्गत नहीं आते हैं तथा बाजार में बिक्री किये जा रहे हैं के गुण नियंत्रण मानक बनाने हेतु अध्ययन के लिये १३३ उत्पादों के नमूनों का विश्लेषण किया गया।
८. **जैविक आदान उत्पादन इकाइयों को तकनीकी सहायता प्रदान करना:** इसके अंतर्गत कुल ३०० विभिन्न मौकों पर जैविक आदान उत्पादन इकाइयों को तकनीकी सहायता प्रदान की गई।
९. **मदर कल्चर की आपूर्ति:** राष्ट्रीय एवं क्षेत्रीय जैविक खेती केन्द्रों द्वारा लगातार आपूर्ति किये जाने वाले जैव उर्वरकों के स्ट्रेन्स एवं मदर कल्चर की ५०० विभिन्न लाभदायक कल्चर का विकास, मूल्यांकन, संचयन तथा भंडारण किया गया।
१०. **जैविक मृदा स्वास्थ्य आकलन हेतु क्षमता निर्माण:** जैविक मृदा स्वास्थ्य जाँच के बिन्दु तय कर उनके मूल्यांकन एवं विधियों हेतु प्रारंभिक तैयारी कर संस्थायें निर्धारित कर कृषि एवं सहकारिता विभाग, कृषि मंत्रालय को प्रस्ताव स्वीकृति हेतु भेज दिया गया है।
११. **सहभागिता प्रतिभूति प्रणाली का क्षमता निर्माण:** देश भर में विभिन्न स्थानों पर चर्चा एवं विचार-विमर्ष के पश्चात् मार्च २०११ में सहकारिता प्रतिभूति प्रणाली (पी.जी.एस.) की शुरुआत की जा चुकी है।
१२. **प्रशिक्षण साहित्य एवं सूचना पत्रों का प्रकाशन:** छमाही जैव उर्वरक सूचना पत्र तथा त्रैमासिक जैविक खेती सूचना पत्र का प्रकाशन नियमित एवं समय पर किया जा रहा है। इसके साथ-साथ ६ प्रशिक्षण साहित्य पुस्तिकायें भी तैयार कर बिना कीमत के बाँटी जा रही हैं।
१३. **प्रचार-प्रसार:** प्रचार-प्रसार कार्यक्रम में कुल ६०४६४ साहित्य की प्रतियां, ०७ प्रदर्शनियों का आयोजन, ५२ रेडियो वार्ता एवं ३७ दूरदर्शन कार्यक्रम किये गये। राष्ट्रीय जैविक खेती परियोजना की विभिन्न गतिविधियों को १२७ विभिन्न समाचार पत्रों में सूचना रूप में प्रकाशित किया गया।
१४. **प्रगति मैदान में मृदा नमूनों की जाँच:** अंतरराष्ट्रीय व्यापार मेला, प्रगति मैदान में मृदा परीक्षण की एक अनोखी सेवा शुरू की गयी तथा अलग-अलग किसानों के नमूनों का परीक्षण/विश्लेषण किया गया ।

National Project on Organic Farming

Background:

National Project on Organic Farming (NPOF) is a continuing Central Sector Scheme since 10th Five Year Plan. Planning Commission has approved the schemas pilot project for remaining two and half years of 10th plan period with effect from 01.10.2004 with an outlay of Rs. 57.04 Crore. The scheme continued in the 11th plan with an outlay of Rs. 101.00 Crore with the following revised mandates-

Mandates

- Promotion of Organic Farming in the country through technical capacity building of all the stakeholders including human resource development, technology development, transfer of technology, promotion and production of quality organic and biological inputs, awareness creation and publicity through print and electronic media.
- Statutory quality control requirements of bio-fertilisers and organic fertilizers under the Fertiliser (Control) Order (FCO), 1985, including revision of standards and testing protocols keeping in view the advances in research and technology and bringing remaining organic inputs under quality control regime.
- Capacity building for soil health assessment, organic input resource management and market development.
- To facilitate, encourage and promote development of organic agriculture in the country.
- To encourage production and use of organic and biological sources of nutrients like bio-fertilizers, organic manure, compost for sustained soil health and fertility and improving soil organic carbon and to promote production and use of bio-pesticides, bio-control agents etc as alternative inputs in organic farming.
- To act as nodal agency for implementation of quality control regime for bio-fertilizers and organic fertilizers, as per the requirement of FCO.
- To formulate and define standards for other unregulated organic and biological inputs and bring them under quality control mechanism, define/upgrade standards and testing protocols.
- Develop, maintain, undertake regular efficacy testing and ensure steady supply of mother cultures of bio-fertilizer and other beneficial micro-organisms for nutrient mobilization and plant protection to the biological input production industry.
- To run short term certificate courses on organic system and on-farm resource management.
- To organize regular trainings and refresher courses for State Governments' quality control analysts/inspectors associated with implementation of Fertilizer (Control) Order 1985 (FCO).
- To impart trainers' training on certification systems, organic management, input production and on other related aspects to certification and inspection agencies, extension agencies, farmers, industries and organizations engaged in the production, and promotion of inputs and organic farming.
- To initiate research on validation of established indigenous practices, inputs and technologies leading to development of package of practices.
- To initiate studies/surveys on biological soil health assessment under different farming systems, practices or states.
- To act as central information and data collection centre on all aspects of organic farming and dissemination of information through print and electronic media.
- Publication of training literature, Quarterly Organic Farming Newsletter, Half yearly Bio-fertilizer Newsletter and validated and documented indigenous practices.
- Technical support to existing certification systems in terms of standards formulation, designing implementation protocols, evaluation and surveillance. Policy, implementation

and surveillance support to alternative farmers' group centric low-cost certification system such as PGS.

- Awareness creation through seminars/conferences/trade fairs and publicity through print and electronic media.
- Support Central and State Governments in evaluation, and monitoring of various organic agriculture schemes.

Approved Components under Revised mandates and objectives

1. Continuation of NCOF/RCOFs
 - (a) Continuation of NCOF/ RCOFs and their strengthening
 - (b) Construction of building of NCOF and RCOFs
2. Capital Investment Subsidy for setting up of:
 - a. Fruits & Vegetables Waste/agro-waste Compost Production Units and
 - b. Bio-fertilizer and Bio pesticide production Units
3. Development and implementation of quality control regime and technical support for organic and biological inputs
 - a. Quality Control Analysis of Biofertilizer and Organic Fertilizers
 - b. Development of quality control regime for other organic inputs
 - c. Development, maintenance and supply of authenticated strains of microorganisms
4. Human resource development through following trainings
 - a. Certificate Course on organic farming
 - b. Refresher Training course for analysts
 - c. Trainers trainings
 - d. Training of Field Functionaries / Extension Officers on Organic Farming
 - e. International trainings/exposures for trainers
5. Capacity building for biological soil health assessment and organic nutrient resource mapping
6. Encourage and Support Research, studies and/or surveys etc on organic package of practices, inputs and management protocols
7. Publication of Newsletters, Training manuals and literature etc and collection of data related to organic farming and inputs
8. Capacity building for low cost alternative certification-Participatory Guarantee System (PGS)
9. New Initiatives, Market Development, Awareness Creation and Publicity and evaluation
10. Evaluation and monitoring of organic agriculture schemes/ programmes of Central and State Governments

Operational structure

National Project on Organic Farming is being operated by the Integrated Nutrient Management Division of Department of Agriculture and Cooperation, Govt of India, and is headed by Joint Secretary (INM). The project objectives are being implemented and monitored through National Centre of Organic Farming (NCOF) at Ghaziabad as Head

quarter with its six Regional Centers of Organic Farming (RCOF) located at Bangalore, Bhubaneswar, Hisar, Imphal, Jabalpur and Nagpur.

Operational guidelines

Approved components are being implemented through National and Regional Centers of Organic Farming. Details of operational methodologies for different components are as follows:

1. **Financial support to input production units** – Financial support is being provided for the establishment of (i) Fruits and Vegetable market waste compost, (ii) Biofertilizers and biopesticides production units. Non-Government agencies, companies, entrepreneurs and individuals can avail the facility through credit linked back ended subsidy scheme. Loan can be availed from any scheduled bank and subsidy is reimbursed by NABARD or NCDC. Government and Semi Government bodies (including municipalities) can avail the subsidy directly by application to Department of Agriculture and Cooperation. Maximum ceiling of financial assistance is 33% of total financial outlay or Rs. 60 lakh whichever is less for Fruit and Vegetable Market waste compost, and 25% of total financial out lay or Rs. 40 lakh whichever is less for biofertilizers and biopesticide production units.
2. **Development and implementation of quality control regime and technical support for organic and biological inputs** – Five biofertilizers and three organic fertilizers are covered under FCO. National Centre of Organic Farming and its six Regional Centres are notified quality testing laboratories under the act. Authorized inspectors from State Governments draw samples of quality analysis as per the requirement of FCO and send to respectation NCOF/RCOFs for analysis. Reports of such samples are being provided to sample drawing authorities for further necessary action.

NCOF and RCOFs carry out research on new organic and biological products under project mode to define their standards and testing protocols. Such protocols after thorough evaluation are submitted to DAC for drawing appropriate strategies for inacting the quality control requirements of such new products.

To meet the regular requirement of mother culture strains of effective microorganisms for production of biofertilizers, more than 500 strains are being maintained at these centres. All these strains have been developed by different research institutes in the country and are recommended for commercial use. Such strains are provided to the producers at nominal cost of Rs. 20/- per slant. In case if the strain is requested by post then the cost levied is Rs. 40/- per slant. NCOF and RCOFs meet approximately 80% of the total demand of such germ plasm from the industry.

3. **Human Resource Development through trainings** – Five different types of trainings, with different course contents are being arranged under NPOF through NCOF and RCOFs. These are: (i) Certificate Course on Organic Farming, (ii) Refreshers Training, (iii) Training for field functionaries and Extension officers on organic farming (iv) Trainers' Training (v) International trainings / exposure for trainers.

As majority of such training programmes are for state Government officials, these trainings are organized in consultation with State Agriculture/ Horticulture Departments.

All the training programmes conducted during the year 2011-2012 were organized and conducted by NCOF and RCOFs.

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4. **Capacity building for Biological soil health assessment and support to Research** – All these programmes are being implemented through various ICAR and SAU institutions in collaboration with NCOF.
 5. **Publication of Newsletters, Training manuals and literature** – For technology and information dissemination two periodicals are being published regularly as follows:
 - i. **Organic Farming Newsletter – quarterly**
 - ii. **Biofertilizer Newsletter – Half yearly**

Besides these NCOF and RCOFs are mandated to prepare and publish necessary training literature for mass distribution of technology and information.
 6. **Capacity building for low cost alternative certification-Participatory Guarantee System (PGS)** – A PGS-India programme has been launched to offer an alternative farmer group centric certification system. 20 Regional Councils has been appointed.
 7. Market development, new initiatives and evaluation activities are taken up as per the requirement from states and implementing agencies from time to time.

Summary of Achievements (2011-2012)

1. **Construction of Buildings** – The year 2011-12 was significant in terms of land acquisition and building construction.
 - The Administrative-cum-Lab building of NCOF along with the trainees Hostel was complete and awaiting possession in want of electric connection.
 - Lab-cum-Administration building of RCOF Impahl was complete and functioning of the office was shifted to new premises.
 - Construction of Lab-cum-Administration building was started at RCOF Bangalore and Nagpur.
 - After a long gap the land for RCOF Bhubaneswar was taken into possession and lease deed was signed with Govt of Orissa.

Recruitment and Staff Strength – After a long gap the recruitment rules in respect of Group A and B were finalized and notified during this year. Dwindling staff strength was continued to be concern during the year.

2. **Expenditure** - Against a BE of Rs 20.00 crores and Revised estimates of Rs 17.91 crores, the actual expenditure was Rs **14.5438** crores.

Shortfall in expenditure was due to discontinuation of direct intervention schemes, through funding, due to which no expenditure could be incurred in major heads 3601, 3602, 2552 and GIA-General in MH 2401.

3. **Approval of EFC** – The EFC memo was revised and approved with new implementation structure and mandates with effect from August 2010. In the revised mandates and objectives, while direct intervention approached was dropped in favour of other schemes such as RKVY and NHM etc, major emphasis was given on technical capacity building, technology development and dissemination and capacity building for Biological soil health assessment and Participatory Guarantee System (PGS).

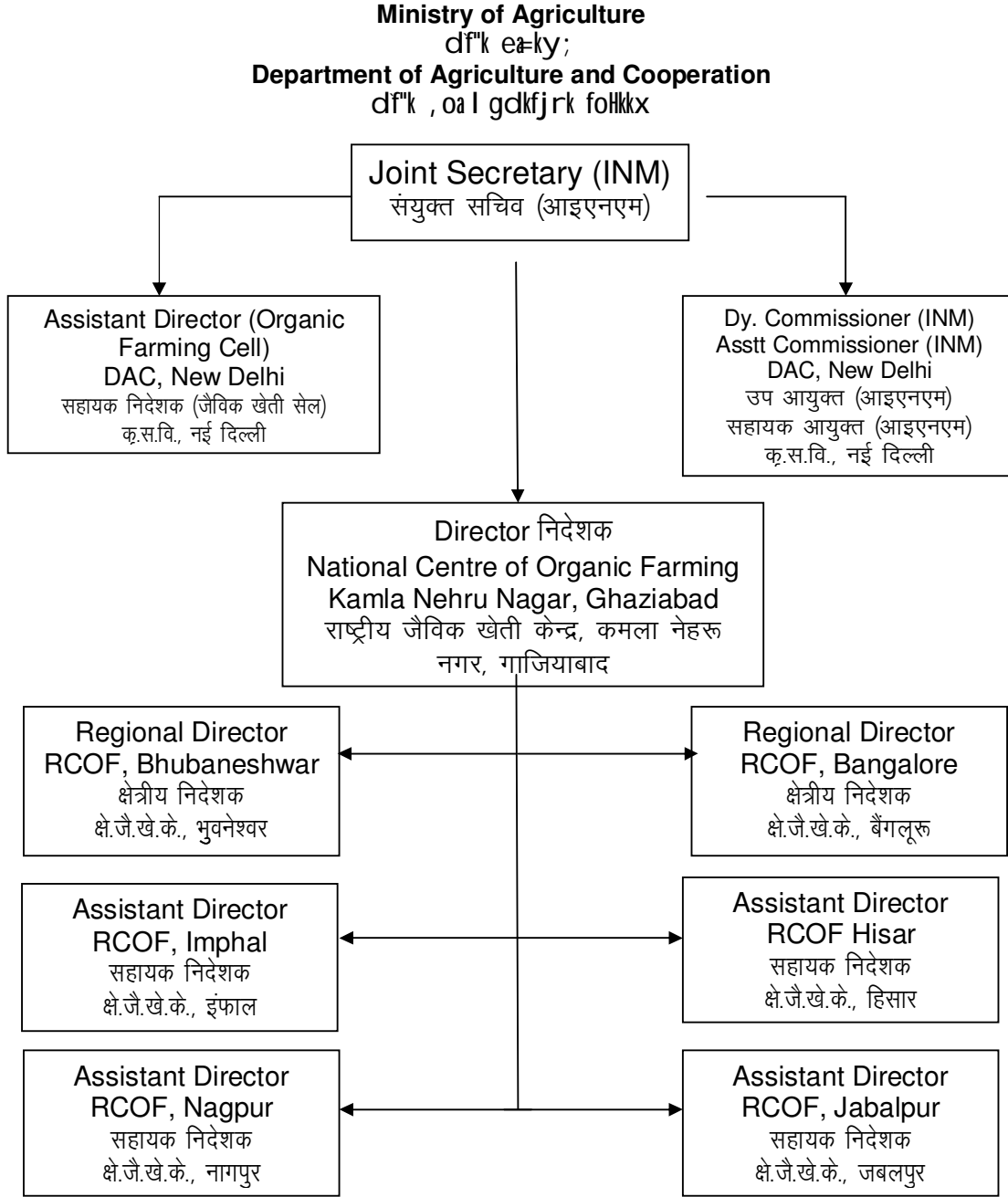
4. **Implementation of project components**

Capital Investment subsidy scheme – With revised mandates and revised subsidy structure the scheme was approved in August 2010. Out of the three components, Vermiculture hatcheries component was dropped in favour of other schemes. No funds during the 2011-12 were released to NABARD for granting subsidy. However, against subsidy released during previous years three units of Fruits and Vegetable Market Waste Compost and four units of Biofertilizer were approved by NABARD.

5. **Human Resource Development through trainings** – Against a target of 85 trainings under four categories 80 training programmes were organized, benefiting 1621 participants.
6. **Quality Control** - Under quality control component against a target of 2000 sample 1601 samples of biofertilizers and 349 samples of organic fertilizers were analyzed
7. **Studies on quality parameters** - For defining quality parameters studies are under way in a project mode on various types of organic manures, enriched and fortified composts and de-oiled cakes. Under the project so far 133 samples of commercial products have been analyzed.
8. **Technical assistance to production units** - To assist organic input production units technical assistance/ advice was provided to various agencies on 300 occasions.

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- 9. Supply of mother cultures** - For continuous supply of microbial germplasm NCOF and RCOFs are maintaining more than 500 strains of different beneficial microbial organisms. As per the need 1188 slants of such strains were provided to the industry to meet their production needs. NCOF/RCOFs account for 80% of the total requirement of such strains in the country.
 - 10. Capacity building of Biological soil health Assessment** – Initial efforts related to identification of methodology and parameters and networking of institutions has been done. Proposal is awaiting sanction of DAC.
 - 11. Capacity building of PGS** – After thorough consultations and nationwide interaction PGS-India programme has been launched during March 2011 and 20 Regional Councils were appointed under PGS-India Programme during 2011-12
 - 12. Publication of Newsletters and training manuals** – Half yearly Biofertilizer Newsletter and Quarterly Organic Farming Newsletter are being published regularly as per time schedule. Besides these 9 training manuals have also been prepared and are being distributed free of cost.
 - 13. Publicity** - Distributed **60464** copies of literature, arranged **07** exhibitions, organized **52** Radio talks and **37** Television programmes. On various activities of NPOF there were **127** Newspapers coverage.
 - 14. Live soil testing at Pragati Maidan** – A unique service of soil testing done at IITF, Pragati Maidan and samples of different farmers were analyzed.

Operational Structure of NPOF , ui hvkq Q dh dk; bdkjh l jpk



Administrative Report

1. Administrative structure

The National Project on Organic Farming is being implemented through National Centre of Organic Farming (NCOF), Ghaziabad and its six Regional Centers of Organic Farming (RCOF) located at Bangalore, Bhubaneswar, Hisar, Imphal, Jabalpur and Nagpur. While NCOF is headed by the Director, in the absence of sufficient officers, only two RCOFs are headed by the Regional Directors. Remaining four RCOFs are being managed by the Director through Assistant Directors.

2. Staff strength

Against a sanctioned strength of 104, the available strength was only 85 during the year 2011-12 and 19 posts were lying vacant or are under revival. Post wise situation of vacant and filled up posts is given in Table 1. Centre-wise incumbency strength with name of officers working on different posts is given in Annexure V.

3. Building & Land

i) NCOF, Ghaziabad

NCOF purchased 9.5 acre land (Total land area=38443.2 sqm.) from CPWD @ Rs.10.00 lakhs per acre. The possession of the land was taken by NCOF from CPWD on 05.06.1998 and NCOF has already made payment of Rs.90.00 lakhs. The Preliminary Estimate submitted by CPWD was approved by DAC vide letter No. 6-6/97-FP/INM(A) dated 16.06.2005 for Rs.13,75,69,000/-. Subsequently Rs.1,34,94,060/- were also sanctioned by DAC for additional items viz. Furniture items, Boundary wall etc.

NCOF building comprises of three storeyed main office-cum-laboratory building with total area of 3782.57 sqm., Trainees Hostel with area of 1454.67 and Auditorium building of 200 seats capacity in 1179.08 sqm. area, Electric Substation, Vermi-compost Store, Vermi-compost Shed and one Type-V and two Type-I quarters.

The construction work in respect of main Office-cum-Lab-Building and other structures excluding Auditorium building was complete during August 2011 and centre has already taken over the possession. During Nov.-Dec., 2011, office activities have been shifted to the new premises.

During the year 2011-12, Rs. 304.3055 lakhs were allotted to CPWD, out of which expenditure of Rs. 271.48 lakhs on Civil Works & Electrical works up to 31.03.2011 was made by CPWD. The auditorium building is complete except internal & external finishing, type-I and Type-V quarters were completed except internal and external finishing and flooring therein.

ii) RCOF, Bangalore

a) **Existing Location** - The centre is functioning in a private building with a total area of 3040.28 sq.ft. The rent per month for the said building was Rs.16000/- as per lease agreement.

b) **Land and Building construction** - The Govt. of Karnataka allotted 05-acres of land for construction of RBDC/RCOF, Bangalore in Kannamangala Coconut Farm of Horticulture at a total cost of Rs. 7.5 lakhs which was paid on 04.06.97. Necessary A/A of P/E of Rs.73,73,900/- for construction of Boundary wall & of Rs.459.53 lacs for construction of Office-cum-lab building for RCOF at Kannamangala, Bangalore was conveyed by DAC vide letter No.6-16/94-FP/INM dated 04.12.2009. During the year 2011-12, Rs. 343.00 lakhs for construction of Boundary wall, main office-cum-lab building etc. were allotted to CPWD, Bangalore, out of which expenditure of Rs. 20376827 up to 31.03.2012 was made by CPWD.

iii) RCOF, Bhubaneshwar

a) **Existing location** – The centre is functioning in the new office building for RCOF, Bhubaneshwar at GA-114, Niladri Vihar, Bhubaneshwar having area of 6964.84 sft at a monthly rent of Rs. 62,684/- (Rupees Sixty two thousand six hundred and eighty four only) per month w.e.f. 01.03.2011 to 28.02.2014 for a period of three years.

b) **Land** : RCOF, Bhubaneshwar has been allotted land of 3.785 acres located at Plot No.P/1, BDA Drawing No.B/757 Revenue Plot No.23/pt Khata No.449 (Agriculture Dept.) Mauza-Ghatikia, Bhubaneshwar for establishment of the Centre. On the basis of land allotment order issued by the G.A. Deptt., Govt. of Orissa in favour of RCOF on 01.08.2009, RD, RCOF, Bhubaneshwar has taken over the possession of land on 07.10.2009. The lease deed between Govt. of Orissa and Govt. of India was signed on 29.03.2011. DAC vide letter No.6-51/93-FP/INM dated 08.12.2011 conveyed Administrative Approval of Rs.537.46 lakhs of the competent authority for construction of Office-cum-Lab Building of RCOF, Bhubaneshwar at Village Ghatikia. Besides this, during 2011-12, an expenditure sanction of Rs.62,31,600/- was also conveyed by DAC vide letter No.6-51/93-FP/INM dated 16.12.2011 for construction of boundary wall. Against this sanction, CPWD, Bhubaneswar utilized an amount of Rs.61,92,000/- upto 31.03.2012.

iv) RCOF, Hisar

a) **Existing Location** - Presently, Centre is functioning in a rented building at 798, Patel Nagar, Opp. CID Colony, Hisar w.e.f. October, 2008 (01.10.2008) and shall subject to the terms of the lease agreement continue for a term of 03-years i.e. upto 30.09.2011 @ monthly rent of Rs.29,403/-, which has been enhanced to Rs.33325/- p.m. w.e.f. 01.10.2011 for a period of 3-years as per approval conveyed by DAC vide letter No.6-12/2007-INM dated 29.03.2012.

b) **Land** : Despite the allotment of 05-acre land from the Govt. of Haryana, no lease agreement has yet been signed due to some administrative problems as Govt. of Haryana has offered the lease for 10-years only which is not acceptable by Ministry of Law. Further, Director of Horticulture, Haryana, Panchkula vide their letter No.14519/APO(F) dated 05.02.2008 has proposed to provide one acre land at Govt. Garden & Nursery at Fatehpur, Panchkula and the matter is in process with DAC.

v) RCOF, Jabalpur

a) **Existing location** - RCOF, Jabalpur is functioning from a private building (Adhartal, Jabalpur) with total area of 3377.03 sft. on a monthly rent of Rs.10,000/- p.m. as per lease agreement w.e.f. 01.08.2000 to 31.07.2005. The lease agreement was extended for further period of five years w.e.f. 01/08/2005 to 31.07.2010 on the same rent, terms and conditions as per approval received from DAC and the case for further extension of lease agreement on the new rent to be assessed by CPWD is under process.

b) **Land** : The centre may get 0.3 ha of land from Govt. of M.P. but it has been observed that the said area of land is not sufficient for the establishment of RCOF, Jabalpur. RCOF, Jabalpur has been advised to send alternate proposal either from other govt. source or for outright purchase.

vi) RCOF, Imphal

a) **Building** : The centre was functioning in the rent free State Govt. building located in the State Agriculture Farm, Mantripukhri having total area of 3750 sq. ft. up to Mid

October, 2010. The functioning of the centre was shifted to newly built premises in mid of the October, 2010.

b) **Land and Building construction** - The Government of Manipur allotted 02-acres of land (90 m x 88.9 m = 8001 sqm) @ Rs.1/- per annum revenue (free of cost). The r construction work has almost been completed by CPWD. During the year 2011-12, a sum of Rs. 30.38 lacs was sanctioned by DAC vide letter No.6-63/93-FP/INM dated 23.06.2011 for completion of pending development works.

vii) RCOF, Nagpur

a) **Existing Location** - RCOF, Nagpur is functioning in Govt. Building (N.S. Building, Civil Lines, Nagpur). The area of the centre is 4650 sq.ft. roughly. Being Central Govt building it is rent free.

b) **Land and building construction** - The Govt. of Maharashtra has allotted 01-ha land for the construction of RCOF, Nagpur in a Village Gondkheri at a distance of approx. 20 kms from Nagpur. Rs.2.45 lakhs have been paid as per approval conveyed by DAC for acquiring the said land. Boundary wall & Type-1 quarter has already been constructed during the year. DAC conveyed the administrative approval of Rs.421.38 lakhs for construction of the building for RCOF, Nagpur. During the year 2011-12, a sum of Rs.260 lakh was sanctioned by DAC vide letter No.6-25/93-FP/INM dated 23.06.2011 for construction work in favour of CPWD, out of which an expenditure of Rs. 18015841.00 was made by CPWD.

TABLE-1**DETAILS OF SANCTIONED STRENGTH (CATEGORY-WISE), ACTUAL STRENGTH AND VACANCIES OF NATIONAL PROJECT ON ORGANIC FARMING AS ON 31.03.2012**

Nomenclature of the post	Sanctioned Strength		Existing Strength		Group (A/B/C/D)	No. of Regular Vacancy	No. of lien vacancy	Status/Remark/ Date of Vacancy
	Gaz.	Non-Gaz.	Gaz.	Non-Gaz.				
Director Rs. 37400-67000 + 8700 GP	01	--	01	--	A	--	--	Will fall vacant w.e.f. 01.08.12 due to superannuation of Dr.A.K.Yadav
Regional Director Rs.15600-39100 + 7600 GP	05	--	02	--	A	02*	01**	*07.01.02, 20.03.07 **03.09.11 due to selection of Dr. K. Chandra as Addl. Comm. (INM) on deputation in DAC
Deputy Director(Trg.) Rs. 15600-39100 + 6600 GP	01	--	--	--	A	--	01*	* 25.09.08 due to joining of Dr.D. Kumar as DC(INM) on dep.
Sr. Admn. Officer Rs. 15600-39100 + 6600 GP	01	--	--	--	A	01	--	06.09.2006
Asstt. Director Rs. 15600-39100 + 5400 GP	06	--	05	--	A	--	01*	*30.10.09, joining of Sh.P.Majumdar as Jt.Director (Extn.) in DAC on deputation
Jr. Scientific Officer Rs. 9300-34800 + 4600 GP	18	--	10	--	B	05*	03**	*20.04.04, 04.09.2004, 02.07.09, 17.01.12 & 3/12
**08.12.10, 17.05.11 & 05.07.11, due to relieving of Dr. Manoj Kumar, Dr. V.Pandey & Dr. D.S. Yadav from RCOF, Bangalore, Bhubaneshwar and, NCOF, Ghaziabad due to their selection on deputation basis in other departments								
Cataloguer Rs. 9300-34800 + 4200 GP	--	01	--	01	B	--	--	--
Store-keeper Rs. 9300-34800 + 4200 GP	--	01	--	01	B	--	--	--
Jr. Hindi Translator Rs. 9300-34800 + 4200 GP	--	01	--	--	B	01	--	RRs to be finalized by DAC
Steno Grade-I Rs. 9300-34800 + 4200 GP	--	05	--	04	B	01	--	w.e.f. 09.12.2011 due to death of Sh.S. Dutta
Steno Gd.-II Rs. 9300-34800 + 2400 GP	--	03	--	03	C	--	--	--
Accountant Rs. 5200-20200 + 2800 GP	--	07	--	03	C	04*	--	*Process for filling 1-post on dep. is under process
U.D.C. Rs. 5200-20200 + 2400 GP	--	07	--	04	C	03	--	--
L.D.C. Rs. 5200-20200 + 1900 GP	--	03	--	03	C	--	--	--
Driver Gd-II/Ord. Gd. Rs. 5200-20200 + 2400/1900 GP	--	06	--	06	C	--	--	--
Lab. Asstt. Rs. 5200-20200 + 1900 GP	--	13	--	11	C	02*	--	*w.e.f.01.06.2010 & 20.10.2011
Field-cum-Lab Attendant Rs. 5200-20200 + 1800 GP	--	13	--	13	C	--	--	--
Peon Rs. 5200-20200 + 1800 GP	--	07	--	07	C	--	--	--
Chowkidar Rs. 5200-20200 + 1800 GP	--	05	--	05	C	--	--	--
TOTAL	32	72	18	61		19	06	
GRAND TOTAL	104		79		+	25		= 104

4. Library and Information Wing

Under “**National Project on Organic Farming**”, a Central Library has been established during 1988 at its Head Quarter, Ghaziabad. The Central Library is coordinating with its Regional Centres and other Departments in respect of disseminating information on various aspects. The library has made considerable progress to establish it as Resource Unit. Sufficient literature on various subjects is available. Considering the instructions of Rajbhasha Vibhag, the books/magazines in Hindi are also being procured regularly. At the end of financial year 2011-2012, the available documents are as under:

A. Books	: 2155
B. Reports/Proceedings	: 346
C. CD/VC/Slides etc.	: 38
D. Journals/Periodicals (83)	
: Current	: 60
: Complementary	: 07
: Discontinued	: 17
E. Newspapers (daily)	: 04
F. Magazines	: 02
G. Publication :	
- <i>Biofertiliser Newsletter</i>	: 01 Bi-annual (since 1993)
- Organic Farming Newsletter	: 01 Quarterly (since 2005)
- Annual Report	: 01 Annual
H. Publications available on sale/demand	: 03

During 2011-2012, total 52 books on various aspects have been added in the collection; 02 new journal subscribed and 4 newspapers, 2 magazines were being subscribed. Biofertiliser Newsletter is being sent free of cost to approximately 500 institutions, scientists and production units. Organic Farming Newsletter being published in 1500 copies and is being sent free of cost to more than 1200 institutions, scientists, agencies and NGOs. Other publications including publicity literature being published is circulated widely free of cost.

A sum of Rs. 70146.20 (Rs. 8560.00 Hindi and Rs. 61586.20 – English) spent on purchase of books; Rs. 69161.00 (Rs. 2040.00 – Hindi and Rs. 67121.00 – English) on subscription/renewal of journals; Rs. 4050.00 (Rs. 2000.00 on Hindi and Rs 2504.00 on English) on newspapers/ magazines; Rs 71896.00 (Rs. 67446.00 Hindi+ bilingual and Rs. 4450.00 English) on publication of newsletters, annual reports; Rs 453135.00 (Rs 371477.00 – Hindi and 81658.00 – English) on publicity literature; and Rs. 191063.00 on furniture were spent during 2011-12. A sum of Rs. 1970.00 was earned from sale of publications.

Following training manuals are being distributed in training programmes and demonstrations, these books are free publications and are available to public/farmers/agencies on demand.

1. जैविक खेती (६७ पृ.)
2. Organic Farming (60 pages)
3. भारत में जैविक खेती के लिये प्रमाणीकरण एवं निरीक्षण पद्धति प्रशिक्षण पुस्तिका (६४ पृ.)
4. Training manual certification and inspection system in organic farming in India (64 pages)
5. जैव उर्वरक, जैविक खाद एवं अन्य जैविक आदान उत्पादन विधियाँ (६८ पृ.)
6. Production and Quality Control of Organic and Biological Inputs (76 pages)
7. सेवा प्रदाता कार्य प्रणाली दिशा निर्देश (३४ पृ.)
8. Working Guidelines for Service Providers (39 pages)
9. केंचुआ खाद Vermi Composting (Hindi) (30 pages)

All training manuals, news letters and publications are available on the website at <http://ncof.dacnet.nic.in>.

4. Vigilance

The period during 31st October to 05th November, 2011 was declared as “**Vigilance Awareness Week**” by NCOF/ RCOFs, as per the guidelines issued by Central Vigilance Commission (CVC). During this period all the staff took pledge for fighting against the corruption and maintaining transparency in day to day work for helping in creation of corruption-free environment. The posters provided by CVC were also exhibited; debate and discussions were held to create awareness on vigilance matters. Besides this, monthly, quarterly, half yearly and annual vigilance matters i.e. anti-corruption measures, pending disciplinary proceedings, implementation of annual action plan on vigilance and vigilance control measures etc. were sent to vigilance section of DAC, New Delhi, from time to time. The guidelines/ instructions as sent by CVC and DAC are being implemented strictly at NCOF/ RCOFs level. The NCOF has also sent a letter to all implementing agencies about grievances if any, faced by them during implementation of the National Project on Organic Farming project.

5. राजभाषा

वर्ष २०११-२०१२ में राजभाषा विभाग द्वारा हिन्दी पत्राचार के लिए निर्धारित किये गये लक्ष्यों को प्राप्त करने के लिए कार्यालय द्वारा हर सम्भव प्रयास किये गये एवं कार्यालय शत-प्रतिशत लक्ष्यों की प्राप्ति के लिए निरन्तर प्रयत्नशील है। कार्यालय द्वारा वर्ष २०११-२०१२ के दौरान हुए पत्राचार का विवरण निम्नानुसार है:-

सारिणी : २. वर्ष २०११-२०१२ के पत्राचार का विवरण

धारा अधिनियम १६६३ की धारा ३(३) के अंतर्गत जारी कागजातों की कुल संख्या	धारा अधिनियम १६६३ की धारा ३(३) के अंतर्गत केवल अंग्रेजी में जारी कागजातों की संख्या	हिन्दी में प्राप्त पत्रों की कुल संख्या	हिन्दी में प्राप्त पत्रों के सापेक्ष जवाब अंग्रेजी में दिये गये पत्रों की संख्या	‘क’, ‘ख’ एवं ‘ग’ क्षेत्रों में प्रेषित पत्रों की संख्या (हिन्दी-अंग्रेजी)			
				क्षेत्र	हिन्दी	अंग्रेजी	प्रतिशत
73	शून्य	88	शून्य	क	4715	558	89.4
				ख	396	72	84.61
				ग	853	316	72.96
				योग	5964	946	86.3

राजभाषा विभाग द्वारा निर्धारित ०४ राजभाषा कार्यान्वयन समिति की बैठकें, कार्यालय में आयोजित की गयीं और जिनमें हिन्दी कार्य के प्रत्येक बिन्दु पर विचार-विमर्श किया गया। वित्तीय वर्ष २०११-२०१२ के दौरान कार्यालय में ०२ हिन्दी कार्यशालाएं आयोजित करवाई गईं जिनमें कार्यालय के सभी अधिकारियों/कर्मचारियों ने भाग लिया। कार्यालय में आवश्यकतानुसार नियमित तौर पर पत्राचार में प्रयोग आने वाले आवश्यक प्रपत्र द्विभाषी (हिन्दी-अंग्रेजी) में तैयार किये गये तथा आवश्यकतानुसार रबर स्टैम्पस द्विभाषी (हिन्दी-अंग्रेजी) रूप में बनवाई गईं।

राजभाषा के प्रयोग में रूचि व प्रोत्साहन की दृष्टि से कार्यालय में हिन्दी दिवस एवं हिन्दी पखवाड़ा का आयोजन (दिनांक १४.०६.२०११ से ३०.०६.२०१२) किया गया जिसमें हिन्दी निबन्ध लेखन प्रतियोगिता तथा स्वरचित काव्य पाठ प्रतियोगिताएं आयोजित की गयीं। इन प्रतियोगिताओं में कार्यालय के सभी अधिकारियों/कर्मचारियों ने बड़ी रूचि व उत्साह से भाग लिया। इसी प्रकार ०१ प्रतियोगिता (हिन्दी काव्य

पाठ) कार्यालय के स्टाफ के बच्चों की आयोजित करवाई गई जिसमें स्टाफ के बच्चों ने बड़ी रूचि व उत्साह से भाग लिया। इन प्रतियोगिताओं में भाग लेकर प्रथम, द्वितीय, तृतीय एवं चतुर्थ स्थान पाने वाले प्रतियोगियों को पुरस्कार के रूप में स्मृति चिन्ह एवं अन्य प्रतियोगियों को प्रोत्साहन पुरस्कार प्रदान कर पुरस्कृत किया गया।

क्षेत्रीय कार्यालयों से प्राप्त तिमाही हिन्दी प्रगति रिपोर्टों की समीक्षा इस कार्यालय द्वारा की गयी और उनमें पायी गयी कमियों के निराकरण हेतु उन्हें सुझाव पत्र भेजे गये।

कार्यालय द्वारा वर्ष २०११-१२ के दौरान तकनीकी साहित्य - वर्मी कम्पोस्ट एवं अन्य प्रचार साहित्य हिन्दी भाषा में तैयार किया गया ।

6. e-Governance and Computerization

Under the Department of Agriculture & Cooperation Network (DACNET) programme, NCOF and RCOFs were equipped with the tools of e-governance and connected with each other and DAC via internet. Now information on Organic Farming is **on line**.

Organic Farming web portal (<http://ncof.dacnet.nic.in>):

The web portal of project has been developed with the help of NIC at the URL <http://ncof.dacnet.nic.in>. This web portal is linked with the web pages/portals of all the six RCOFs. The web portal contains all the relevant information about activities of the centers along with achievements. Important publications of the NCOF/RCOFs are available online. FAQs on Biofertilizers for the citizens are included to satisfy any query of visitors to this portal.

Budget Estimates and Expenditure

Rs. 20.00 crores was allocated for expenditure during 2011-12 under four Major- Heads. The allocation was revised and a revised estimate was approved for Rs 17.91 crores.

1. The Major Head 2401 relates to administrative expenses and Grants in Aid for Non-Govt implementing agencies.
2. Major Head 3601 provides grants to State Governments.
3. Major Head 3602 provides grants to Union Territory
4. Major Head 2552 provides grants exclusively to North Eastern States.
5. Major Head 4401 is for capital expenses on account of land procurement and building construction.

Details of Head-wise expenditure are given in Table 3.

Table 3. Financial Achievement under National Project on Organic Farming during 2011-12(Rs. Lakh)

S. No.	MH-Head	B.E.	R.E.	Expenditure incurred
1	MH-2401			
	i) Other than Grants-in-Aid (Admin)	660	605	495.57
	ii) Grants-in-Aid	120	60	8
	iii) GIA (Creation of Capital Assests	120	60	0
	2401-789 Sepcial Component Plan for SC (Minor Head)			
	i) Other Administrative Expenses	20	6	0.81
	ii) Grants-in-Aid-General	90	0	0
	iii) GIA (Creation of Capital Assests	90	60	0
	Total	1100	791	504.38
2	MH-3601			
	Grant-in-Aid	0	0	0
3	MH-3602			
	Grant-in-Aid	0	0	0
4	MH-2552			
	Grantsin-Aid to N.E. States			
	i) GIA-General Code No. 423)	100	0	0
	ii) GIA-General (Code No. 796)	100	0	0
5	MH-4401			
	Capital (Building)	700	1000	950
	Grand Total	2000	1791	1454.38

Table 4. Centre wise Expenditure Report (April 2011- March 2012) (Rs. lakh)

Sl. No	Head and sub-heads	Budget Estimate 2011-12	Revised Estimate 2011-12	CENTERS							Total
				NCOF GZB	Regional Centres of Organic Farming						
					BGL	BBSR	HSR	IMP	JBP	NGP	
Major Head – 2401											
1	Salaries	330	340	99.91	41.52	49.89	26.13	34.46	33	38.4	323.32
2	Wages	20	20	9.73	1.59	2.58	0.18	0.31	0	0.12	14.51
3	Over Time Allowance	0.2	0.2	0.02	-	-	-	-	-	-	0.02
4	Medical Treatment	12	12	2.79	3.26	2.48	0.63	0.18	1.19	0.02	10.55
5	Domestic Travel Expenses	30	30	4.68	2.97	4.89	1.08	1.19	1.44	2.37	18.62
6	Foreign Travel Expenses	10	5	-	-	-	-	-	-	-	-
7.	Office Expenses	80	60	31.16	4.43	7	2.63	1.33	2.59	1.75	50.89
8.	Rent Rate & Taxes	15	20	0	3	7.89	4.06	0	0	0	14.95
9.	Other Admn. Expenses	55	75	11.62	2.49	4.67	2.2	3.44	3.69	5.55	33.66
10.	Supplies & Materials	10	5	1.11	0.5	1	0.04	-	0.42	0.37	3.44
11.	Advertising & Publicity	15	15	13.25	-	1			0.06	0	14.31
12.	Grant-in-Aid	120	60	8		0					8
13.	Grant for creation for Capital Assets	120	60								
14.	Other Charges	2	2	0	0.01	0.5	0.09			0.3	0.9
15.	Motor Vehicles	30.8	0								
16.	Machinery & Equipments	50	20.8	5.19	1	1.99			0.57	1.65	10.4
Major Head 4401											
17.	MH-4401 Major Works (Capital)	700	1000	950							950
Major Head 3602											
18	MH-3602 (Pondichery)										
Major Head 2552											
19	MH-2552 (NER) GIA (General) GIA for creation of capital Assets	100 100	0 0								
20.	2401-789 Special Component Plan for SC	20	6	0.81							0.81
	GIA(General)	90	0								
	GIA for creation of capital Assets	90	6								
	Total	2000	1791	1138.27	60.77	83.9	37.04	40.91	42.96	50.53	1454.38

As the EFC was under review since last year and was finally approved during August 2010, the direct intervention components through funding were discontinued. Therefore there was no expenditure under the major head 3601, 3602 and 2552. Similarly due to discontinuation of funding scheme, there was no expenditure under sub head GIA general under Major Head 2401.

Detail of centre-wise expenditure under different sub-heads is given in Table 4.

Implementation of project components

As direct intervention approach through funding to other agencies was discontinued all implementation components were implemented by NCOF and RCOFs except Capital Investment Subsidy scheme, which was implemented by NABARD. Under Capital Investment Subsidy (CIS) scheme a sum of Rs. 150 lakh were released to NABARD.

Overall physical achievements vis-à-vis targets are presented in Table 5.

Table - 5. Physical Targets & Achievements during 2011-12

Sr. No	Components	Target	Achievements
A.	Organic Inputs Production Units		
	Fruit and Vegetable Market Waste Compost unit	-	3
	Biofertiliser Production Units	-	4
B.	Training Programme		
	Certificate Course on Organic Farming	01	01
	Refreshers Course for Analyst	06	05
	Training for Field Functionaries / Ext. Off.	42	39
	Trainers Training course on Organic mgmt	31	30
C.	Biological Soil Health Assessment	-	Under Progress
D.	Capacity Building for Participatory Guarantee System (PGS)	05	05
E.	Publication of newsletters		
	Biofertilizers Newsletter	02	02
	Organic Farming Newsletter	04	04
F.	Publication of literature	04	07
G.	Quality Control		
	Biofertilizers	-	1601
	Organic Fertilizers	-	349
H.	Maintenance of strains and supply		
	Total strains maintained	-	500
	No of slants supplied	-	1058
I.	No of samples tested under study project	-	133

Support to Organic Input production units

To boost the production of organic inputs, under Capital Investment Subsidy Scheme (CISS) of NPOF financial assistance is being provided to various Central/ State Govt, Non Govt and private entrepreneurs @ 33% of total financial out lay (TFO) limited to Rs. 60 lakh for setting up of Vegetable and fruit market waste compost production unit and 25% of TFO limited to

Rs. 40 lakh for setting up of biofertilizer/ bio-pesticide production units. To Govt agencies funds are being sanctioned directly by DAC and to private agencies the assistance is available as credit linked back ended subsidy through NABARD and NCDC. The scheme is continuing since the year 2004-05. Under the scheme any agency, company or individual entrepreneur can directly submit the project proposal to any scheduled bank, obtain loan and set up production unit. It is the responsibility of the bank to avail subsidy and/ or refinancing from NABARD.

Progress of CIS scheme under NPOF since inception

Starting since October 2004 total number of production units established and total production capacity of various organic inputs generated were as follows:

Table 6. State-wise details of production units supported by NPOF under credit linked back-ended subsidy scheme through NABARD and total subsidy committed since the inception of NPOF starting from October 2004 till March 2012

S.No.	Sate	Fruit Veg Market Waste Compost Units	Biofertiliser Production Units	Vermiculture Hatcheries	Total subsidy eligible (Rs. Lakh)
1	Andhra Pradesh	0	8	5	164.734
2	Arunachal Pra.	0	0	0	0
3	Assam	2	0	27	56.657
4	Bihar	0	0	8	10.5
5	Chhattisgarh	0	0	6	7.9
6	Delhi	1	0	0	40
7	Goa	1	1	0	33.94
8	Gujarat	1	0	86	218.12096
9	Himachal Pra.	0	3	1	21.583
10	J & K	0	1	0	0
11	Jharkhand	0	0	1	1.5
12	Karnataka	4	2	47	233.523
13	Kerala	2	2	1	64.3565
14	Manipur	1	0	0	0
15	Maharashtra	0	10	34	240.858
16	Madhya Prad.	0	1	24	37.32
17	Mizoram	0	0	0	11.33636
18	Meghalaya	0	1	0	0
19	Nagaland	0	0	0	0
20	Orissa	0	0	0	0
21	Punjab & Haryana	0	4	148	267.9093
22	Rajasthan	0	1	158	158.036
23	Sikkim	0	0	0	0
24	Tripura	1	0	0	20
25	Tamil Nadu	2	3	5	65.224
26	Uttar Pradesh	1	0	126	219.424
27	Uttarakhand	0	2	1	56.12
28	West Bengal	0	2	7	34.582
	Total	16	41	685	1963.62412

Table 7. State-wise details of total number of Compost production units (FVMWC), Biofertilizer production units and Vermiculture hatcheries (VCH) set up under NPOF by DAC and NABARD and total production capacity generated (in MT) by these units sanctioned during October 2004 till March 2012

S.No.	States	Total Number of units and capacity generated(MT/annum)					
		Fruit Veg Waste Comp. Unit		Biofertilizer		Vermiculture	
		Number	Capacity	Number	Capacity	Number	Capacity
1	Andhra Pradesh	0	0	10	1293	5	600
2	Arunchal Pra.	0	0	0	0	40	1500
3	Assam	2	132	0	0	67	2450
4	Bihar	0	0	0	0	45	2230
5	Chattisgarh	0	0	1	37.5	108	4635
6	Delhi	1	100	0	0	0	0
7	Goa	1	26	1	150	0	0
8	Gujarat	1	44	3	405	86	3870
9	Himachal Pra.	0	0	2	300	37	1470
10	J & K	2	200	1	37.5	25	937
11	Jharkhand	0	0	1	75	23	975
12	Karnataka	4	410	2	300	59	6400
13	Kerala	2	50	2	300	1	10
14	Manipur	0	0	1	37.5	20	750
15	Maharashtra	1	150	12	1335	40	4375
16	Madhya Prad.	2	100	2	100	83	5512
17	Mizoram	1	100	1	37.5	62	2325
18	Meghalaya	0	0	1	84	0	0
19	Nagaland	0	0	1	37.5	103	3862
20	Orissa	0	0	1	37.5	147	5512
21	Punjab & Haryana	1	25	4	430	213	24337
22	Rajasthan	0	0	1	81	170	16500
23	Sikkim	0	0	0	0	8	300
24	Tripura	1	50	0	0	72	2700
25	Tamilnadu	2	110	10	640	45	2128
26	Uttar Pradesh	2	125	1	37.5	141	18862
27	Uttarakhand	0	0	2	270	78	3037
28	West Bengal	0	0	2	210	7	753
	Total	23	1622	62	6235.5	1685	116030

Note: Units funded by DAC till 31.03.2010 and by NABARD till 31.03.2012

Table 8. State-wise details of total funds released by DAC and total subsidy committed by NABARD during October 2004 till March 2012 for setting up of organic input production units.

Sl. No.	State	Total subsidy / financial assistance		Total funds released/subsidy committed
		Directly by DAC	Subsidy committed by NABARD	
1	Andhra Pradesh	40	164.734	204.734
2	Arunachal Pradesh	60	0	60
3	Assam	60	56.657	116.657
4	Bihar	55.5	10.5	66.0
5	Chhattisgarh	173	7.9	180.9
6	Delhi	0	40	40.0
7	Goa	0	33.94	33.94
8	Gujarat	0	218.12096	218.12096
9	Himachal Pradesh	74	21.583	95.583
10	J & K	137.5	0	137.5
11	Jharkhand	73	1.5	74.5
12	Karnataka	18	233.523	251.523
13	Kerala	0	64.3565	64.3565
14	Manipur	50	0	50.0
15	Maharashtra	49	240.858	289.858
16	Madhya Pradesh	148.5	37.32	185.82
17	Mizoram	153	11.33636	164.33636
18	Meghalaya	0	0	0
19	Nagaland	174.5	0	174.5
20	Orissa	240.5	0	240.5
22	Punjab & Haryana	97.5	267.9093	365.4093
23	Rajasthan	18	158.036	176.036
24	Sikkim	12	0	12.0
25	Tripura	108	20	128.0
26	Tamil Nadu	171.5	65.224	236.724
27	Uttar Pradesh	62.5	219.424	281.924
28	Uttarakhand	75.5	56.12	131.62
29	West Bengal	0	34.582	34.582
	Total	2051.5	1963.62412	4015.12412

Note: Units funded by DAC till 31.03.2010 and by NABARD till 31.03.2012

Implementation components of NPOF through NCOF and RCOFs

- a. Human resource development through trainings
 - Certificate Course on organic farming
 - Training/Refresher course for analysts
 - Trainers trainings
 - Training of Field Functionaries / Extension Officers on Organic Farming

- b. Quality control facilitation of organic fertilizers and biofertilizers
- c. Defining standards and protocols for new inputs
- d. Technical support to organic input production units through technical assistance on technology and through supply of mother culture strains
- e. Capacity building for biological soil health assessment and organic nutrient resource mapping
- f. Capacity building for low cost alternative certification-PGS
- g. Publication of Newsletters, Training manuals and literature etc and collection of data related to organic farming and inputs
- h. New Initiatives, Market Development, Awareness Creation and Publicity and evaluation
- i. Evaluation and monitoring of organic agriculture schemes/ programmes of Central and State Governments

Major achievements under these components were as follows:

1. Human resource development through trainings –

In all there was a target to organize 85 training programmes during the year under five categories. Against this 80 training programmes were organized.

Details in respect of training programmes conducted by each centre and number of trainees trained are given in Table 9. Details in respect of participants in various training programmes are given in Table 10.

Table 9 - Details of various training programmes conducted by NCOF/RCOFs under National Project on Organic Farming during 2011-12

Name of the Centre	30 days Certificate course on Organic Farming	10 days Refresher course for Analysts under FCO	5 Days Trainers Training	2 Days training for field functionaries and Extension staff	2 Days PGS Capacity building Trainings	Total number of persons trained	Expenditure (Rs)
NCOF Ghaziabad	01	02	05	06	01	325	741795.00
RCOF Bangalore	-	-	04	04	01	168	252919.00
RCOF Bhubaneswar	-	01	05	06	01	248	467125.00
RCOF Hisar	-	-	03	06	-	203	194700.00
RCOF Imphal	-	-	04	05	-	183	340901.00
RCOF Jabalpur	-	01	04	06	01	266	369264.00
RCOF Nagpur	-	01	05	06	01	228	325509.00
Total	01	05	30	39	05	1621	2692213.00

Table 10. Details of participants in various training programmes organized by NCOF and RCOFs

Name of the Centre	Category wise number of participants in various trainings				
	SC	ST	Women	Others	Total
NCOF Ghaziabad	69	08	05	243	325
RCOF Bangalore	-	-	39	129	168
RCOF Bhubaneswar	62	24	43	119	248
RCOF Hisar	73	01	05	124	203
RCOF Imphal	46	39	43	55	183
RCOF Jabalpur	101	20	16	129	266
RCOF Nagpur	75	12	25	116	228
Total	426	104	176	915	1621

2. Quality control of biofertilizers and Organic fertilizers –

With the inclusion of biofertilizers and organic fertilizers under Fertilizer Control Order (FCO), a regulatory mechanism has been introduced in the country w.e.f. March 2006. NCOF and its six RCOFs have been declared as Nodal Quality Control Analysis laboratories. Under the system samples are being drawn by the statutory authorities of State Agriculture Departments and submitted to NCOF or concerned RCOF for quality analysis.

Besides these, NCOF and RCOFs also undertake quality analysis of other inoculants and organic manures not covered in FCO for study purposes.

2a. The details of biofertilizers and organic fertilizers samples analyzed in fulfillment of requirement under FCO during the year 2011-12 were as follows:

- i. **Biofertilisers** - During year 2011-12 a total of 1601 sample of different biofertilisers (including non FCO) were analyzed, out of which 17.03 % samples were found sub-standard. The Centre wise details of Quality testing is given in Table- 11 & 13.
- ii. **Organic Manures:** During the current year, 2011-12 total of 349 samples of organic manures (including non FCO) were tested out of this 28.30% samples were found sub standards. The Centre wise details of Quality testing is given in Table- 12 & 14.

Table 11: Details of Biofertilizer samples tested for Quality Control

Sr. No.	Name of the Centre	Total samples tested	Samples found Standard	Samples found Sub-standard	Percent sub-standard
1.	NCOF Ghaziabad	209	196	13	6.22
2.	RCOF Bangalore	125	122	03	2.40
3.	RCOF Bhubaneswar	91	75	16	17.60
4.	RCOF Hisar	04	04	-	-
5.	RCOF Imphal	112	112	-	-
6.	RCOF Jabalpur	72	68	04	5.88
7.	RCOF Nagpur	110	108	02	1.81
	TOTAL	723	685	38	5.54

Table 12: Centre wise details of Quality testing of different Organic fertilizers

Sl. No.	Name of Centre	Total samples Tested	Samples found Standard	Samples found Sub-standard	Per cent of substandard samples
1.	NCOF Ghaziabad	38	38	-	-
2.	RCOF Bangalore	03	03	-	-
3.	RCOF Bhubaneswar	25	21	04	16.00
4.	RCOF Hisar*	-	-	-	-
5.	RCOF Imphal	02	02	-	-
6.	RCOF Jabalpur	17	13	04	23.52
7.	RCOF Nagpur	15	15	-	-
	TOTAL	100	92	08	6.58

*As there is no technical staff at RCOF Hisar, no samples were received and analyzed. Samples of Hisar region are being analyzed at NCOF, Ghaziabad.

2 b. Biofertilizers and organic manures tested for quality for study purposes -

The details in respect of quality analysis of other inoculants and organic fertilizers not covered under FCO for study purposes during the year 2011-12 are given in Table 13 and 14.

Table 13: Details of other microbial formulations/ inoculants samples not covered under FCO analyzed for Quality parameters for study purposes

Sr. No.	Name of the Centre	Total samples tested	Samples found Standard	Samples found Sub-standard	Percent sub-standard
1.	NCOF Ghaziabad	674	542	132	19.58
2.	RCOF Bangalore	-	-	-	-
3.	RCOF Bhubaneswar	198	140	58	29.30
4.	RCOF Hisar	06	01	05	16.66
5.	RCOF Imphal	-	-	-	-
6.	RCOF Jabalpur	-	-	-	-
7.	RCOF Nagpur	-	-	-	-
	TOTAL	878	683	195	28.55

Table 14: Centre wise details of Quality testing of different Organic fertilizers not covered under FCO

Sl. No.	Name of Centre	Total samples Tested	Samples found Standard	Samples found Sub-standard	Per cent of substandard samples
1.	NCOF Ghaziabad	118	88	30	34.09
2.	RCOF Bangalore	-	-	-	-
3.	RCOF Bhubaneswar	104	65	39	37.50
4.	RCOF Hisar	-	-	-	-
5.	RCOF Imphal	-	-	-	-
6.	RCOF Jabalpur	27	27	-	-
7.	RCOF Nagpur	-	-	-	-
	Total	249	180	69	38.33

2 c. Defining Quality Standards and testing protocols of other organic and biological inputs not covered under FCO.

Studies are being undertaken in a project mode to prepare the achievable and acceptable quality control standards of various types of de-oiled cakes, poultry manure, phosphate rich organic manure, enriched composts, potash biofertilizers, Trichoderma inoculants and EM formulations. The Project was started w.e.f May 2010 with the recruitment of two Senior Project assistants and Two Project Assistants. Under the project 133 samples of different organic inputs were tested till 31.3.2012. Project was sanctioned for a period of 18 months and is continued during the year 2011-12.

3. Technical support to Organic Input production units

Technical assistance was provided to various biofertiliser and organic input production units on 510 occasions. Centre-wise details of technical assistance provided to different units are given in Table 18.

Table 15 - Centre wise detail of Technical Assistance to Biofertilizer/ Organic input Production Units

Name of the Centre	Total
NCOF Ghaziabad	27
RCOF Bangalore	-
RCOF Bhubneshwar	247
RCOF, Hisar	-
RCOF Imphal	-
RCOF, Jabalpur	26
RCOF, Nagpur	-
TOTAL	300

4. **National and Regional culture collection bank of biofertilizer organisms** – A culture collection of **500** strains belonging to different biofertilizers is being maintained at NCOF and RCOFs. Centre-wise details of number of strains of different microorganisms maintained at NCOF and RCOFs are given in Table 16.

Table 16: Number of standard strains being maintained at NCOF and RCOFs

Name of Centre	Number of Strains being maintained					Total
	<i>Azoto</i>	<i>Azosp</i>	<i>Rhizo</i>	PSB	Others	
NCOF Ghaziabad	08	07	48	08	05	76
RCOF Bangalore	04	07	34	06	19	70
RCOF Bhubaneswar	03	02	19	01	02	27
RCOF Hisar	10	03	11	01	01	26
RCOF Imphal	07	11	16	04	04	42
RCOF Jabalpur	03	01	25	02	02	33
RCOF Nagpur	51	25	65	83	02	226
TOTAL	86	56	218	105	35	500

5. Supply of mother cultures of Microbial Strains -

During the year 2011-12, total nos of **1188** mother culture strains of different biofertilisers were supplied to the production units. Supply of mother cultures to biofertilizer production units in the country is a specific activity of NCOF and RCOFs. Nearly 80% of the biofertilizer production in the country is being done with the strains/ mother cultures provided by NCOF and RCOFs. Centre-wise details of strains distribution are given in Table 20 and the cost realized in Table 17.

Table 17: Centre wise distribution of mother culture strains during 2011-12

Name of Centre	Name of Strains Supplied					Total
	<i>Azoto</i>	<i>Azospi</i>	<i>Rhizo</i>	PSB	Others	
NCOF Ghaziabad	13	06	38	19	137*	213
RCOF Bangalore	66	98	49	187	269	669
RCOF BBSR	32	25	121	07	-	185
RCOF Hisar	-	-	-	-	-	0
RCOF Imphal	-	-	-	-	-	0
RCOF Jabalpur	03	0	07	03	-	13
RCOF Nagpur	31	03	40	34	-	108
TOTAL	145	132	255	250	406	1188

*including strains given to RCOFs

Table 18 – Revenue generation on account of sale of mother culture slants

Sr. No.	Centres	Amount Realised in Rs.
1.	NCOF Ghaziabad	2680
2.	RCOF Bangalore	9960
3.	RCOF BBSR	7400
4.	RCOF Hisar	0
5.	RCOF Imphal	0
6.	RCOF Jabalpur	300
7.	RCOF Nagpur	2160
	Total	22500

6. Development, procurement and efficacy evaluation of biofertilizer strains and mother cultures – As a part of regular exercise new strains developed by different research institutions are being maintained at NCOF and RCOFs. Efficiency testing is being taken up for few strains.

7. Capacity Building for Biological Soil Health Assessment

In the revised mandates a new innovative component on “Biological Soil Health Assessment” was approved. The component is proposed to be implemented by NCOF/RCOF in collaboration with ICAR and SAUs.

To start the programme, initial discussions were made with different research institutions and on modalities of the programme and on the parameters to be studied. To arrive at proper conclusion and to identify the implementation approach a two days workshop was organized at Directorate of Water Management, ICAR, Bhubaneswar, during wherein it was decided to create a networking of institutions where such studies can be undertaken. Abstract recommendations of the workshop and minimum parameter recommended to be studied are as follows:

Recommendations

- 1) Soil may be sampled considering agro-climatic zones of India as categorized by Planning Commission
- 2) For sample collection, points identified by NBSS and LUP at 10 square kilometer grid/ ORSAC may be considered.
- 3) Time of sampling will be summer, rainy and winter but on fallow periods, non rainy days avoiding rhizosphere zones
- 4) The MDS finalized are

Physical : Aggregate stability/texture/Bulk density

Chemical : pH, Organic C, EC, (CEC/Humic acid optional), Total and available NPK and in some cases micronutrients

Biological : Microbial Biomass Carbon, Dehydrogenase, FDA, Metabolic quotient, Earthworm population/biomass and total Extractible Glomalin and Ergosterol content

Proposals were invited and the programme was chalked out in network mode comprising of four lead centers and 9 partner institutes. Final proposal was submitted to DAC for approval. The same is under consideration of DAC

8. Capacity Building for Participatory Guarantee System –

After the approval of the DAC under revised mandates of NPOF, efforts were made to define a new alternative certification system for organic guarantee, based on the work carried out under FAO-DAC-NCOF TCP project and international and IFOAM model of PGS. To initiate the discussions draft operational guidelines was prepared and circulated for comments nationally and internationally. After thorough consultations and deliberations a final draft of the guidelines was prepared and submitted to DAC for approval. After being approved the PGS-India programme was launched on 7th March 2011 and 20 Regional Councils were appointed under the programme. Salient feature of PGS-India Programme is given at Annexure-I

9. Collaboration with different Agencies and Stakeholders –

NCOF and all the six RCOFs successfully collaborated with various organizations in the country and abroad. Major points of collaboration were:

- i. Participation in trainings, seminars, workshops etc organized by different agencies and transfer of knowledge and sharing of literature.
- ii. Participation in Biofach India Together with India Organic 2010, an International Trade Fair-cum-Seminar series and thorough discussions on various issues for strengthening of organic farming movement in the country.
- iii. Development of database for providing information. State-wise and subject-wise information is being collected and shared with all the stakeholders of organic movement in the country and abroad

10. Documentation of Indigenous knowledge and its dissemination –

Efforts were made to collect various ITKS systems and traditional package of practices. The centre now has collection of more than 160 formulations, found useful for nutrient management and pest management.

Package of practices developed under FAO-NCOF-TCP project for 20 important crops are being provided free on request and to trainees in different trainings in both hard and soft copies.

Three video films developed during 2008-09 on organic farming, organic certification and vermicompost technology are also being distributed in video CDs liberally and are being provided free of cost on request and in the training programmes to all participants.

11. Preparation and publication of uniform and authentic training literature –

Following training literature books / booklets were prepared for distribution to the trainees. These books were uniformly distributed by all the centers in similar training programmes. All these training manuals and guidelines were prepared and printed under in-house publication system.

1. जैविक खेती (६७ पृ.)
2. Organic Farming (60 pages)

3. भारत में जैविक खेती के लिये प्रमाणीकरण एवं निरीक्षण पद्धति प्रशिक्षण पुस्तिका (६४ पृ.)
4. Training manual on Certification and Inspection System in Organic Farming in India (64 pages)
5. जैव उर्वरक, जैविक खाद एवं अन्य जैविक आदान उत्पादन विधियों (६८ पृ.)
6. Production Technology of Organic and Biological Inputs (76 pages)
7. सेवा प्रदाता कार्य प्रणाली दिशा निर्देश (३४ पृ.)
8. Working Guidelines for Service Providers (39 pages)
9. केंचुआ खाद Vermi Composting (Hindi) (30 pages)

12. Publication of Biofertiliser Newsletter

Biofertilizer Newsletter is a half yearly Newsletter being published every June and December since 1993. During the year 2011-12, 18th volume of Biofertilizer Newsletter comprising of June 2011 and December 2011 issue was published. This Newsletter is being provided free of cost to all the stakeholders of biofertilizers in the country. 600 copies of each issue are being published and 500 copies are being dispatched.

13. Publication of Organic Farming Newsletter

Organic Farming Newsletter is a quarterly publication devoted to technological achievements, news, national and international events and book reviews etc and is being published since 2005. During the year 2011-12, three issues of Vol 7 (June, September and December) and one issue of Vol 8 (March) was published. 1500 copies of each issue are being brought out and are being distributed free to about 1200 agencies, scientists, NGOs and institutions associated with organic farming in the country.

Both the Newsletters are being published, printed and distributed from in-house printing facilities of NCOF.

- 14. Data centre for various activities related to Organic Farming** – Since 1990 entire data on biofertilizer production units, total annual biofertilizer production and sale are being maintained at NCOF, Ghaziabad. Current status of biofertilizer industry, annual production and installed capacity etc for the year 2011-12 is presented at Annexure II. Status of organic manures production/ availability and use is presented at Annexure III.

Similarly the data is also being collected and maintained in respect of certification agencies, area being served under organic certification and various crop being produced under organic certification. Details are presented at Annexure IV.

- 15. Publicity** - Distributed **60464** copies of literature, arranged **07** exhibitions, organized **52** Radio talks and **37** Television programmes. On various activities of NPOF there were **127** Newspapers coverage. Centre-wise details are given in Table 22.

Table 19. Details of publicity activities undertaken by NCOF and RCOFs during 2011-12

Centres	Literature distributed	Exhibitions	Radio talks	TV Programmes	News paper coverage
NCOF Ghaziabad	6700	03	-	06	-
RCOF Bangalore	8755	-	01	-	01
RCOF BBSR	25040	-	39	24	36
RCOF Hisar	13384	02	03	05	33
RCOF Imphal	2440	0	0	0	
RCOF Jabalpur	2150	02	09	02	57
RCOF Nagpur	1995	0	0	0	0
Total	60464	07	52	37	127

16. Technical support to National Programme on Organic Production for evaluation of accredited certification bodies

Three senior officers of NCOF and RCOFs are authorized evaluators under National Programme on Organic Production being operated by Ministry of Commerce for accreditation of organic certification bodies. Under the programme there is a mandatory requirement of annual surveillance.

17. Joint Monitoring Committee Visits undertaken under CIS scheme of NPOF

As per mandatory provisions of Capital Investment Subsidy scheme, all projects financed under CISS of NPOF are visited and approved by Joint Monitoring Committee comprising of members from DAC/NCOF, NABARD and financing bank.

Annexure I

Salient Features of PGS-India Programme (A Participatory Organic Guarantee Programme)

Participatory Organic Guarantee System for India

Preamble

Organic producers around the world have been developing methods to guarantee the organic integrity of their products for fifty years. Today, what are generally referred to as *Third-Party Certification* systems have become the dominant means of Organic Guarantee for world trade and Indian producers have 20 respected and accredited Third-Party Organic Certification agencies to choose from. While Third Party Certification is an essential component to world trade, there are downsides to the system. The inherent expense and paperwork required in a multi-level system discourages most small organic producers from being certified at all. This limits local and domestic trade as well as access to organic products. Worse yet, it limits the growth of the Organic Movement as a whole.

In an attempt to reduce the inequality of this trend, a number of alternative methods to guarantee the Organic integrity of products have been developed for small domestic producers, and they are growing rapidly. In 2004, a conference sponsored by MAELA and IFOAM was held in Brazil. Representatives from over 20 countries presented on the “alternative” certification systems that have been developed. Thousands of small scale producers now associate themselves with these alternatives programs, which are now collectively referred to as *Participatory Guarantee Systems* (PGS). The terminology and conceptual framework for Participatory Guarantee Systems (PGS) developed from the IFOAM/MAELA sponsored ‘Alternative Certification’ workshop incorporates the dynamics of different ‘alternative’ organic certification systems from around the world. The term PGS embodies what many of these ‘alternative’ systems have in common which is the active participation of producers and other stakeholders in their organic guarantee process. The PGS provides a framework with which group marketing and various community strengthening activities can be facilitated. Support has grown around the world for the idea that PGS provides a credible, relevant and cost effective mechanism through which producers can provide an organic guarantee to consumers. IFOAM supported this process to ensure that organic producers have access to organic guarantee options that best suit their needs. Thus, for local organic markets, PGS is now regarded alongside individual and third party as a viable organic guarantee option.

To strengthen the movement, to take the system closer to lakhs of committed organic farmers without any extra cost and to ensure the credibility of the system, recently Government of India has also decided to join the movement through National Project on Organic Farming and has launched a participatory organic guarantee system entitled PGS-India.

About PGS

PGSs are quality assurance initiatives that are locally relevant, emphasize the participation of stakeholders, including producers and consumers and operate outside the frame of third party certification. A process whereby people in similar situations (in this case small holder producers) in some way assess the production practices of their peers. This process can be formal or informal.

PGS system has number of basic elements which embrace a participatory approach, a shared vision, transparency and trust. Participation is an essential and dynamic part of PGS. Key stakeholders (producers, consumers, retailers and traders and others such as NGOs) are engaged in the initial design, and then in the operation of the PGS. In the operation of a

PGS, stakeholders (including producers) are involved in decision making and essential decisions about the operation of the PGS itself. In addition to being involved in the mechanics of the PGS, stakeholders, particularly the producers are engaged in a structured ongoing learning process, which helps them improve what they do. This process is usually facilitated by the PGS (by a committee or a designated manager) or in some situations a supportive NGO. The learning process is usually 'hands-on' and might involve field days or workshops. The idea of participation embodies the principle of a collective responsibility for ensuring the organic integrity of the PGS. This collective responsibility is reflected through:

- Shared ownership of the PGS
- Stakeholder engagement in the development process
- Understanding of how the system works
- Direct communication between producers and consumers and other stakeholders

Together these help shape the integrity based approach and a formula for trust. An important tool for promoting this trust is having operational processes that are transparent (for all to see). This includes such things as transparency in decision making, easy access to the data base and where possible farms open to visits from consumers. Different people and groups have different skills, technical knowledge and access to resources so that; they may play different roles in the development and management of PGS. What is important is that the producers are directly engaged in the operating model of decision making (who gets certified) and are significant stakeholders. They may be directly engaged or be represented through persons they elect. Ideally consumers are also actively engaged in the PGS but the level of activity may depend on such things as distances to markets, how the products are marketed (directly or via other agents) and the extent to which consumer groups are organized and able to participate. Consumers or retailers in PGS groups are not only buying products but are also engaged in decision making and management. Overall though, what is important is that as far as is practicable, bridges between producers and consumers are created and fostered.

Factors for success of PGS in India

In spite of tremendous investment and efforts in promotion of third party certification system, due to its prohibitively high cost it is still beyond the reach of small farmers and is also unaffordable to even large farmers if high premiums are not assured. In market there is growing awareness and consumers are inclined to accept organic foods, but high premiums deter them to buy organic products on regular basis. In such a scenario, it is essential that a farmer empowering system with consumers participation based on mutual trust is developed and put in place with some credibility support from Government and institutions. Following can be the determining factors for success of PGS in India

- Low Direct Cost
- Minimal Paperwork
- Regionally Appropriate
- Peer Appraisals instead of Professional Third Party Inspections
- Farmers, Regional Groups, NGO's and other Support Organizations in a Horizontal Network without hierarchies
- Building a Movement
- Credible Organic Guarantee
- Mutual Recognition and Support between Regional PGS Groups
- Subtext of training and support built into the system
- Empowers the farmer with increased capacity building
- Empowers the farmer through increased marketing opportunities
- Millions of Acres, Millions of Farms

PGS programs are expected to bring much greater numbers of farmers into Certified Organic status than is practically possible due to the administrative overhead inherent in Third-Party Certification including ICS/Group Certification schemes

PGS India Philosophy

The philosophy of NPOF sponsored PGS-India programme stipulates that it is:

- A farmer empowering approach
- Based on Farmer group declaration and consumer's trust
- No intermediaries
- Group will be supreme, with inspections on each other.
- Entire information to be in public domain
- Scope for product testing for chemical residue provides additional trust
- Individual farmer gets certificate with PGS number and farmer sub-code

PGS-India structure

To give the entire implementation process an institutional shape the programme has following functional entities:

- National Advisory Committee (NAC) at NCOF/DAC
- Zonal Councils/Regional Councils/Facilitating agencies
- Farmer groups
- Farmers
- Surveillance mechanism
- NCOF as National secretariat of PGS program and custodian of data

National Advisory Committee (NAC) at NCOF/DAC is the apex policy making body. Although, it will be headed by DAC/NCOF but in due course of time the members will be drawn from all stakeholders, including farmer group leaders, traders, retailers, and consumers. In the interim period the PGS-NAC is comprise of officers from DAC and NCOF. NCOF will host PGS website with marketing portal. Registration, documentation will be online with user ID and password. NCOF and Zonal Council (ZC) authorized by the NAC is responsible for capacity building, initial screening of the regional councils and surveillance of entire system. Facilitating agency/Regional councils are being authorized (by NAC) to assist farmer groups on regional/local level. NCOF/ZC will undertake regular surveillance; collect samples for residue analysis. Analysis cost will be born by the Govt through NCOF. Defaulter groups get banned on website. Re-entry of defaulter groups is possible only after proper verification by other group/regional council/Secretariat. On-line programme will give logo with number on completion of requirements. Farmer groups will facilitate consumer/trader/retailer visits for verification if required. A group with participation with traders/retailers/consumers will be more trust worthy and preferred.

Operational Strategy

- A National PGS Website will be launched by NCOF in few months from now
- Standards, basic operational manuals, procedures, documents, formats etc are available on website <http://ncof.dacnet.nic.in>
- Selection and appointment of National Council and Regional Councils by NAC. Capacity building of councils and group leaders to be done by NCOF, National council or by RCs.
- 10 to 50 Farmers belonging to one village or two-three close by villages make a group, collectively pledge for organic
- Group registers on the website on-line directly or through regional council
- Recognition as PGS group is granted by RC on verification of data.
- Training and knowledge on PGS operational systems is a prerequisite for recognition of the group
- Capacity building of group members by peers in the group
- Up-loading data and peer appraisal forms from time to time
- Regular meetings and peer inspections on each other
- At the end of season, collectively decide on status of farmers

- Upload information on website on crop yield farmer wise
- Website gives logo with PGS number and farmer sub code
- Print individual certificate with number
- Consumer can access details about farmer group with PGS number
- NCOF and NC undertake regular surveillance, collect samples being sold or produced under PGS and get them analyzed for residue.
- Samples analyzed for residue in authorized testing laboratories
- Residue analysis results hosted on website in public domain
- Results are also linked to concerned group, providing additional trust
- Defaulter group's ID gets automatically blocked and shifted to suspended groups
- NAC/NCOF does not take any action. Regional councils need to act and initiate action against defaulter groups and suggest remedial measures
- Re-entry of suspended groups is possible only after verification by NCOF, NC or RCs

Current status

PGS-India programme has been launched with 20 Regional Councils. In the interim period Regional Centres of Organic Farming have been declared as Zonal councils. In areas where there are no Regional Councils, RCOFs shall also act as Regional Councils till regular RCs are authorized. Necessary documents from 18 Regional Councils have been received and the RCs are registering farmers groups in their respective areas

PGS-India Logo

Two separate logos shall be granted for PGS organic and PGS under conversion as follows:

PGS
Organic



PGS



Annexure II

Biofertilizer Production in India (2011-12)

Biofertilizer production in India during the period from 2008-09 to 2011-12

Sl. No	State	Actual production of biofertilizers in MT during years			
		2008-09	2009-10	2010-11	2011-12
1	Andhra Pradesh	168.136	1345.28	999.60	1126.35
2	Arunachal Pradesh	-	-	-	-
3	Assam	129.3552	121.04	130.00	68.33
4	Bihar	-	-	136.26	75.00
5	Chhatisgarh	-	-	-	276.34
6	Delhi	1165.1	1021.85	1205.00	1617.00
7	Gujarat	1149.695	1309.19	6318.00	2037.35
8	Goa	-	0	443.40	0
9	Haryana	14.25	6.195	6.53	914.41
10	Himachal Pradesh	-	8.5	9.00	1.29
11	Jharkhand	15.0	15.0	0.00	8.38
12	Karnataka	11921.057	3695.5	6930.00	5760.32
13	Kerala	1187.001	1936.451	3257.00	904.17
14	Madhya Pradesh	848.448	1587.6775	2455.57	2309.06
15	Maharashtra	1249.87	1861.33	2924.00	8743.69
16	Manipur	-	-	-	-
17	Mizoram	1.996	2.5	2.00	-
18	Meghalaya	-	-	0.00	-
19	Nagaland	16.0092	18.25	21.50	13.00
20	Orissa	405.03	289.867	357.66	590.12
21	Punjab	1.14	301.232	2.50	692.22
22	Pondicherry	561.7924	452.79	783.00	509.45
23	Rajasthan	353.67	805.571	819.75	199.78
24	Sikkim	-	-	-	-
25	Tamil Nadu	4687.818	3732.5862	8691.00	3373.81
26	Tripura	14.68	278.402	850.00	1542.85
27	Uttar Pradesh	885.5174	962.6417	1217.45	8695.08
28	Uttarakhand	48.23	32.00	45.00	263.01
29	West Bengal	241.24	256.5	393.39	603.20
	Total	25065.0352	20040.3534	37997.61	40324.21

Source: Compiled by NCOF (Data as provided by Production Units / State Governments)

State Wise Production of Various Biofertilisers during 2011-12

Sl. No.	Name of State	Name of Biofertiliser						
		AZB	AZS	RZB	PSB	Total BF	Other Inoculants *	Grand Total
1	Andhra Pradesh	121.99	319.88	101.57	581.66	1126.35	133.20	1259.55
2	Assam	20.48	12.56	6.86	28.43	68.33	0.00	68.33
3	Bihar	28.00	0.00	16.60	30.40	75.00	0.00	75.00
4	Chhatisgarh	11.91	0.00	99.65	164.78	276.34	0.00	276.34
5	Delhi	1157.00	27.00	47.00	386.00	1617.00	1582.00	3199.00
6	Gujarat	433.35	314.93	219.67	1069.40	2037.35	12.05	2049.40
7	Goa	0.00	0.00	0.00	0.00	0.00	592.14	592.14
8	Haryana	503.81	0.00	84.60	326.00	914.41	50.00	964.41
9	Himachal Pradesh	0.34	0.15	0.20	0.60	1.29	0.00	1.29
10	Jharkhand	0.42	0.00	4.61	3.35	8.38	0.11	8.48
11	Karnataka	756.40	1015.33	1114.87	2873.72	5760.32	14343.48	20103.80
12	Kerala	31.83	161.87	164.30	546.17	904.17	4122.63	5026.80
13	Madhya Pradesh	246.43	3.00	565.03	1494.60	2309.06	67.53	2376.59
14	Maharashtra	2262.39	731.03	2376.65	3373.62	8743.69	622.90	9366.59
15	Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	Nagaland	2.50	1.50	2.50	6.50	13.00	0.00	13.00
17	Orissa	72.45	36.42	144.76	336.49	590.12	0.00	590.12
18	Punjab	94.20	13.96	18.65	565.41	692.22	0.00	692.22
19	Pondicherry	11.12	85.39	73.22	339.72	509.45	1304.34	1813.79
20	Rajasthan	27.76	0.00	25.02	147.00	199.78	0.00	199.78
21	Tamil nadu	197.66	926.45	385.04	1764.66	3373.81	5941.29	9315.10
22	Tripura	537.58	463.00	0.04	542.24	1542.85	0.01	1542.86
23	Uttar Pradesh	3871.79	14.92	439.41	4352.96	8695.08	46.54	8741.63
24	Uttarkhand	128.25	4.37	6.77	123.62	263.01	0.00	263.01
25	West Bengal	104.30	61.60	109.50	327.80	603.20	35.67	638.87
	Total	10621.96	4193.37	6006.51	19385.12 +117.5**	40324.21	28853.88 4	69178.09

* Others include compost enrichers (Trichoderma, Paceliomyces etc.), PGPRs, BGA, Azolla

** ZBS/KMB

PRODUCTION OF BIOFERTILIZER IN INDIA BY VARIOUS UNITS 2011-2012												
S.No.	State	Organization Name	Capacity	GOI Funded	AZOT O.	AZOSP	RHIZ.	PSB	VAM/Z SB/ KMB	Total BF	Other Inoculants *	Total
1	Andhra Pradesh	Sri Boitech Labotratory India Pvt.Ltd, Medak , Hyderabad	150	Private	25.60	45.00	0	70.00	0.00	140.60	5.00	145.60
2	Andhra Pradesh	Raddar Biotech , Vijayawara	150	Private	0.00	7.50	0.2	11.00	0.00	18.70	10.50	29.20
3	Andhra Pradesh	Sr Arbindo Instt of Rural Development , Nalgonda	150	Private	0.00	3.50	0.9	3.20	0.00	7.60	0	7.60
4	Andhra Pradesh	Rover Biotech Vijaywada	100	private	1.75	5.50	6.5	4.50	1.25	19.50	0	19.50
5	Andhra Pradesh	IPM Biocontrol Labs	100	Private	7.60	3.40	9.2	7.80	0.00	28.00	0	28.00
6	Andhra Pradesh	K. N. Biosciences (INDIA) Pvt Ltd, Hyderabad	150	Private	1.75	0.00	1.5	195.99	0.00	199.24	38.45	237.69
7	Andhra Pradesh	Prallhad Biofertilisers Karimnagar	100	Private	0.25	0.00	0.05	0.00	0.00	0.30	0.25	0.55
8	Andhra Pradesh	KCP Sugar & Industries Corporation , Vuyar, Krishna District	200	Private	10.00	50.00	45	73.00	0.00	178.00	17.00	195.00
9	Andhra Pradesh	Surya Bioproducts Vijayawada Road, West Godavari -District	100	Private	0.25	0.00	0	0.25	0.00	0.50	0	0.50
10	Andhra Pradesh	Pratistha Industries Lt, Nalgond	150	Private	0.00	45.00	10.00	40.00	0.0	95.00	10.00	105.00
11	Andhra Pradesh	Lotus Biotech West Godavari	100	Private	25.00	25.00	10.00	2.00	0.0	62.00	1.00	63.00
12	Andhra Pradesh	The Pragathi Biofertilizers, Dargamitta, Nellore	100	Private	0	10.00	0	10.00	0.0	20.00	1.00	21.00
13	Andhra Pradesh	Biotech Agriscience , Kukatpally, Hyderabad	100	Private	20.00	10.00	1.00	10.00	0.0	41.00	0.00	41.00
14	Andhra Pradesh	Varsha Biosciences and Technology 17-1 - 382/SN/1/2 ,MNR Colony,Balaji Nagar, Hyderabad (A.P.)	75	Private	5.05	97.50	10.55	93.5	0.0	206.60	0	206.60
15	Andhra Pradesh	Regional Soil Testing Laboratory, Hyderabad	150	Govt.	4.74	7.48	5.67	50.42	0.0	68.31	0	68.31
16	Andhra Pradesh	, Vijayawada	100	Private	20	10	1.00	10	0.0	41.00	50.00	91.00

	Andhra Pradesh Total		1975		121.99	319.88	101.57	581.660	1.25	1125.10	133.20	1258.30
17	Assam	N.E.Green Tech P.Ltd, Anuradha Complex, Baraam Maidan, Guwahati - 781 021, Assam	75	Private	5.7	6.59	3.562	11	0.0	26.85	0	26.85
18	Assam	BVFC, Namrup, Dibruganj, Assam	75	Private	10.578	1.168	0	11.428	0.0	23.17	0	23.17
19	Assam	Orgaman R & D Division Nehru Park, T.R. Phukan Road, Jorhat	75	Private	3	3.8	1.8	5	0.0	13.60	0	13.60
20	Assam	S.S. Biotech, Guwahati	50	Private	1.2	1	1.5	1	0.0	4.70	0	4.70
	Assam Total		225		20.478	12.558	6.862	28.428	0.0	68.33	0	68.33
21	Bihar	Association for social Economic Transforamtion, Baurani, Bihar	150	Private	25	0	14.30	25.70	0.0	65.00	0	65.00
22	Bihar	Sikkim, Biofertilizer Unit, Mazitpur	50	Govt.	3.00	0	2.30	4.70	0.0	10.00	0	10.00
	Bihar Total		200		28	0	16.6	30.4	0.0	75.00	0	75.00
23	Chhattisgarh	Biofertilizer Plant, Abhanpur, Raipur	0	NA	11.91	0	99.65	164.78	0.0	276.34	0	276.34
	Chhattisgarh Total		0		11.91	0	99.65	164.78	0.0	276.34	0	276.34
24	Delhi	International Panaacea Limited, E-34, 2nd Floor, Connaught Circus, New Delhi- 110 001	2000	Private	1157.00	27.00	47.00	386	0.0	1617.00	760	2377.00
25	Delhi	Care Pro Bioscience Pvt. Ltd. 310, Hemkunt Chambers, 89, Nehru Place, New Delhi- 110 019	NA	Private	0	0	0	0	0.0	0.00	822.00	822.00
	Delhi Total		2000		1157	27	47	386	0.0	1617.00	1582.00	3199.00
26	Goa	Cosme Biotech, Bicholim, Goa	150	GOI funded	0	0	0	0	0.0	0.00	592.14	592.14
	Goa Total		150		0	0	0	0	0.0	0.00	592.14	592.14

27	Gujarat	Abhay Chemicals, Bardoli, Surat								0.00		0.00
28	Gujarat	Gujarat State Cooperative Marketing Fed. Ltd., Ahemdabad	150	GOI funded	0	33.98	9.08	40.77	0.0	83.83	0	83.83
29	Gujarat	Gujarat State Fertilizers & Chemicals Ltd., Baroda	200	GOI funded	0	0	0	0	0.0	0.00	0	0.00
30	Gujarat	Krishak Bharati Cooperative Limited (KRIBHCO), Kribhco Nagar, Surat- 395 515, Gujarat	150	GOI funded	171.21	101.25	103.3	68.65	0.0	444.41	12.05	456.46
31	Gujarat	Mahuva Pradesh Sahakari Khand Udyog Mandal, Surat	150	NA	52.5	0	0	7.8	0.0	60.30	0	60.30
32	Gujarat	Abhay Chemicals, Bardoli, Surat	150	Private	8.11	1.90	1.70	10.00	0.0	21.71	0	21.71
33	Gujarat	Pramukh Agri Clinic, Madhi, Surat	150	Private	18.2	0	0	10.65	0.0	28.85	0	28.85
34	Gujarat	Puma kam Agri Biotech Surat	150	Private	6.45	8.5	1.25	7.65	0.0	23.85	0	23.85
35	Gujarat	Omgene Bioscience Pvt Ltd	150	Private	1.18	3.29	1.02	3.31	0.0	8.80	0	8.80
36	Gujarat	Nisha Agritech Pvt. Ltd.	150	Private	0	5.50	16.20	0	0.0	21.70	0	21.70
37	Gujarat	IFFCO-Kalol, Gandhi Nagar	150	Cooperative	0	105.34	75.12	317.47	0.0	497.93	0	497.93
38	Gujarat	Director of Research, PG studies, Navasri	150	SAU	27.28	27.86	0	284.67	0.0	339.81	0	339.81
39	Gujarat	Valasad Shakari Khand Udyog Mandili, Valsad	150		13.08	0	0	13.08	0.0	26.16	0	26.16
40	Gujarat	Department of Microbiology & Biofertiliser Projects AAU, Anand	150	SAU	135.34	27.31	12.00	305.35	0.0	480.00	0	480.00
	Gujarat Total		2000		433.35	314.93	219.67	1069.4	0.0	2037.35	12.05	2049.40
41	Haryana	CCS Haryana Agriculture University, Hisar	150	GOI funded	3.81	0	24.60	26	0.00	54.41	0	54.41
42	Haryana	Prabhat Biofertilizer and Chemicals Ltd., Indl. Road, Karnal	3000	Private	500.00	0	60	300.00	0.00	860.00	50	910.00

	Haryana Total		3150		503.81	0	84.6	326	0.00	914.41	50	964.41
43	Himchal Pradesh	State BF Unit, Palampur	NA		0.1895	0	0	0.096	0.00	0.29	0	0.29
44	Himchal Pradesh	HPKVV, B.F. Unit, Palampur	25	Govt.	0.15	0.15	0.2	0.5	0.00	1.00	0	1.00
	Himchal Pradesh Total		25		0.3395	0.15	0.2	0.596	0.00	1.29	0	1.29
45	Karnataka	Rhizobium Production Lab, Kotnur, Gulbarga	50	Govt	0.43	0	0.1	0	0.0	0.53	11.32	11.85
46	karnataka	KCDC, Harulkunta, Medival Post, Bangalore	160		2.93	2.51	7.92	8.41	0.0	21.77	50.413	72.18
47	Karnataka	Vital Plant Products, Gowrishankar Estate, Harihalli- 573 129, Via K. Hoskote, Alur TK, Hassan DT	10	Private	0	0	0	0	0.0	0.00	948.67	948.67
48	Karnataka	Rhizobium Production Lab, Dharwad	25	Private	0	0	0.1	0	0.0	0.10	7.1	7.20
49	Karnataka	Rhizobium Production Lab, Bangalore	75	Private	1.5	0	3.1	8.1	0.0	12.70	12.7	25.40
50	Karnataka	Multiplex Biotech Pvt. Ltd., # 420-A, Peenya Indl. Area, Peenya 1st Stage, Bangalore- 58	2000	GOI funded	238.67	348.52	388	995.67	0.0	1970.86	10237.14	12208.00
51	Karnataka	Bio-pest Management Pvt Ltd, Banthalia Village	1250	Private	0.91	0	0.61	220	0.0	221.52	701	922.52
52	Karnataka	Madras Fertilizers Ltd, Bio Unit, Jigani, Bangalore	200	Private	24.00	36.00	40.00	100	0.0	200.00	0	200.00
53	Karnataka	Camson Biotechnologies Ltd, C-7, Old Airport Road, Bangalore 58	150	Private	17.82	27.15	27.48	70.13	0.0	142.58	0	142.58
54	Karnataka	Anshul Agro Chemicals, No.- 454, 4th, Phase, Peenya Indl., Estate, Bangalore- 560 058	500	Private	54.86	89.12	98.47	246.8	0.0	489.25	0	489.25
55	Karnataka	Fertiliser Agro Chem Ltd, H.O. #67, 1st Floor, West of Chord Road, Mahalaxmipuram,	500	Private	0.81	0	0	0.5		1.31	398	399.31

		Bangalore- 86										
56	Karnataka	Ganesha Agro Tech, 12th Main, RMV Extn. Bangalore-560 080	100	Private	0	0	0	0		0.00	419	419.00
57	Karnataka	Krishi Samruddhi Agrotech, Dev Nagar, Old Jevargi Road, Gulbarga- 585 101, Karnataka	400	Private	0	0	0	0	0.0	0.00	289.72	289.72
58	Karnataka	Sri M. Nayanaprabhu Sri Venkatesh Mudesaral, Mangalore	750	Private	0	0	0	0	0.0	0.00	615	615.00
59	Karnataka	Poly Chemicals Industries, Ashok Nagar, Nipani, Venkatarayappa Compound, Anjaneya Temple Road, Mahadevapura, Village- Bangalore- 48	600	Private	0	0	0	0	0.0	0.00	477.15	477.15
60	Karnataka	S.S Biogold, Devangere	750	Private	55.12	8	8	190	0.00	261.12	0	261.12
61	Karnataka	Chaitra Fertilizers & Chemicals (P) Ltd., No. E-1, Sri Krishna Complex, D. Banumaiah Circle, Mysore	150	Private	17.98	26.94	58.15	45.98	0.00	149.05	86.00	235.05
62	Karnataka	Karnataka Biofertilisers , Bijapur	150	Govt.	10.16	38.96	59.85	48.25	0.00	157.22	152	309.22
63	Karnataka	Microtech Agro India Ltd., Plot No.- 1-D (Part-I), KIADB Indl., Area, Lokikere Road, Davanagere- 577 006	150	Private	15.74	76.18	28.9	25.98	0.00	146.80	0	146.80
64	Karnataka	West Coast Herbochem Ltd, Mysore	150	Private	7.25	9.5	62.84	70.89	0.0	150.48	0	150.48
65	Karnataka	Azo Fertilizers (P) Ltd., No.- 1192, G & H Block 2nd Cross, Gange Road, Kuvempunagar, Mysore	150	Private	9.84	26.65	24.36	25.84	0.0	86.69	0	86.69

66	Karnataka	Datta Biofertilisers Bhakli Bidar	300	Private	25.87	74.31	57.49	135.1	0.0	292.77	0	292.77
67		M/s Phalda Agro Research Foundation, Bagalore	1000	Private	28.97	65.89	56.32	158.09	0.0	309.27	0	309.27
68	Karnataka	Metabolites Technologies, # 10, Somanahalli, Kalikamba Road, Bangalore South, Bangalore	150	Private	32.85	29.15	21.56	48.6	0.0	132.16	0	132.16
69	Karnataka	Criyagen Agri Biotech Dharwad	300	Private	57.96	76.12	29.48	0.5	0.0	164.06	0	164.06
70	Karnataka	Rohini Bioagents, Mahalingpur, Bagalkot	150	Private	69.74	18.09	14.98	250.21	0.0	353.02	a	353.02
71	Karnataka	Akshya fertilisers, Hebbal, Banglore	300	Private	37.15	45.8	49.56	176.89	0.0	309.40	0	309.40
	Karnataka	Ponalab , Banglore	300	Private	49.2	18.95	85.62	56.19	0.00	209.96	0	209.96
	Karnataka Total		10470		756.4	1015.33	1114.87	2873.72	0.00	5760.32	14343.48	20103.80
72	Kerala	M/s Agro Biotech Research Centre Ltd., Indl. Area, Poovanthuruthu P.O. Kottayam- 686 012, Kerala	575	Private	3.00	26.52	0.23	42.5	0.00	72.25	392.1	464.35
73	Kerala	High Range Bio Pesticides Pvt. Ltd. Udumbanoor, Thodupuzha, Idukki Dist. Kerala	200	Private	3.10	5.13	2.18	69.73	0.0	80.14	97.68	177.82
74	Kerala	Plantrich Chemicals & Fertilizers Ltd., Industrial Estate, Manarcad P.O. Kottayam- 686 019, Kerala	1550	Private	24.91	49.52	161.89	298.12	0.0	534.44	801.12	1335.56
75	Kerala	Poabs Environtech (P) Ltd., Vilapisala (PO), Peyad, Trivendrum- 695 573, Kerala	510	Private	0	13.62	0	2.10	0.0	15.72	489.1	504.82
76	Kerala	Travancore Organic Fertilizer Company, Kangazha (PO), Kottayam- 686 541, Kerala	510	GOI funded	0	14.10	0	2.10	0.0	16.20	451.1	467.30

77	Kerala	Biofertilizer Lab, Soil testing Lab, Pattambi, Palakkad Dist.- 679 306	150	GOI funded	0	15.19	0	0	0.0	15.19	93.12	108.31
78	Kerala	Deepa Farm Inputs (P) Ltd, Edens, Kunnappuzha, Thiruvananthapuram, Kerala	600	GOI funded	0	0	0	42.00	0.0	42.00	589.16	631.16
79	Kerala	Peremade Marketing Co-op, Society Ltd, No. z-240, Kumity Po, Thakkady, Idukki	500	GOI funded	0	0	0	0	0.0	0.00	308.12	308.12
80	Kerala	Tiffco Fertilizers & Chemicals, Pudukkadu, Chengaloor, Trissur	500	GOI funded	0.51	0.81	0	39.86	0.0	41.18	400	441.18
81	Kerala	High Range Fertilizers Biotech & Research Centre, Puliyanmala, Kattappana-685 515, Kerala	750	GOI funded	0.31	36.98	0	49.76	0.0	87.05	501.13	588.18
	Kerala Total		5845		31.83	161.87	164.3	546.17		904.17	4122.63	5026.80
82	Madhya Pradesh	National Fertilizers Limited, Biofertilizer Plant, Vijapur-473 111 Dist.- Guna (M.P.)	100	Private	26.12	0	14.48	103.74	0.0	144.33	0	144.33
83	Madhya Pradesh	NAFED BIOFERTILIZER , 51-a, Sector-F, Sanwer Road, Indore,	300	GOI funded	40.70	0	170.24	405.10	0.0	616.03	0	616.03
84	Madhya Pradesh	Madhya Pradesh State Agro Industries Dev. Corp. Ltd., Agro Comple, C-Sector, Indrapuri, Bhopal-462 022	300	GOI funded	51.44	0	227.4	381.2	0.0	660.04	0	660.04
85	Madhya Pradesh	Agriculture Business & Development Co-operative Ltd., Makka Building, Neem Road, Jinsi Couraha Bhopal, M.P.- 462 008	150	Private	12.14	0	46.76	86	0.0	144.90	0	144.90
86	Madhya Pradesh	Bhola Agro Industries, HIG-63, Subhash Nagar, Karonda Bay-Pass, Maharajpur, Jabalpur (M.P.)	75	Govt.	10	0	5	10	0.0	25.00	0	25.00

87	Madhya Pradesh	Naval Singh Shehkari Sakkar Karkhana Maryadit, Navalnagar, Burhanpur (M.P.)	50	Private	39.838	0	0.527	39.842	0.0	80.21	0	80.21
88	Madhya Pradesh	MP State Co-operative Oil Seed Grower Fed. Ltd., Biotech Research Centre, Gulab Chakker, Dhar, M.P.-454 001	300	GOI funded	18.25	0	72.46	160.16	0.0	250.87	0	250.87
89	Madhya Pradesh	Indore Biotech Inputs & Res. (P.) Ltd., Co-operative Cold Storage Campus, Labour Colony, A.B. Raod, Rau, Indore, M.P.	75	Private	34.01	2.00	3.24	250.19	0.0	289.44	59.80	349.24
90	Madhya Pradesh	Krishi Bio-Products & Res. Pvt. Ltd., Pithampur Road, In front of Nakhrali Dhani, Rau, Indore, M.P. - 453 331	NA	Private	1.00	1.00	1.00	2.00	0.0	5.00	0	5.00
91	Madhya Pradesh	AMBIKA Biotech & Agro Services, HIG-27, Meghdoot Nagar, Mandsaur(MP)	NA		0.5	0	1	2	0.0	3.50	0	3.50
92	Madhya Pradesh	Department of Soil Science & Agril. Chemistry, J.N. Krishi Vishwa Vidyalyaya, Jabalpur (MP)	NA		12.44	0	22.93	54.37	0.0	89.74	7.73	97.47
	Madhya Pradesh Total		1350		246.43	3	565.03	1494.60		2309.06	67.53	2376.59
93	Mizoram	State Biofertilizer Production Laboratory, Directorate of Agriculture, Sihphir, Neihbawith, Mizoram	75	Govt.	0	0	0	0	0.0	0.00	0	0.00
	Mizoram Total		75		0	0	0	0		0.00	0	0.00
94	Maharashtra	Saitech Agrotech , Yavatmal	150	Private	38.00	0	40	65	0.0	143.00	0	143.00
95	Maharashtra	Polchem Hygene lab, Pune	NA	Private	17.00	0	0	23.11	0.0	40.11	0	40.11

96	Maharashtra	Vasant Dada, Sugar Institute , Manjari, Pune020- 26902100		Private	21.25	0	11.00	36.00	0.0	68.25	165.57	233.82
97	Maharashtra	Krishak Bharti CooperativeLtd, Lanja, Ratnagiri	150	Private	21.83	15.34	30.63	81.51	0.0	149.3 1	1.20	150.51
98	Maharashtra	Trinity Agrotech & Phytochem Pvt Ltd,	150	Private	2.63	0	0.00	3.40	0.0	6.03	7.35	13.38
99	Maharashtra	Sahakar Maharshi Bahusaheb Throat Sahskhar , Ahamednagar	150	Private	5.58	0	0.00	5.63	0.0	11.21	10.21	21.42
100	Maharashtra	Shri Malai Hi Tech Biotechnology Research Laboratory	150	Private	25.79	0	21.49	63.92	0.0	111.2 0	0.00	111.20
101	Maharashtra	Biocare, Nagpur	150	Private	5.00	12.00	5.00	1.00	0.0	23.00	5.00	28.00
102	Maharashtra	Shakti Biotech, Aurangabad	150	Private	4.20	0.46	0.47	5.15	0.0	10.28	4.16	14.44
103	Maharashtra	Arun Biofertilisers , Kolhapur	150	Private	10.90	17.5	20.00	33.50	0.0	81.90	0.00	81.90
104	Maharashtra	Maharashtra Research and Development Center, 396, Sainik, Santosh Nagar, Bale, Solapur	75	Private	0	0	0	0	0.0	0.00	0	0.00
105	Maharashtra	Krishi Vigyan Kendra, Durgapur, Amravati	50	Private	0.80	0	11.00	12.3	0.0	24.10	0	24.10
106	Maharashtra	Sahakar Maharishi Shankarrao Mohite Patil,Sahakari Sakhar Karkhane Ltd. Shankarnagar, Solapur, Akluj	150	Private	14.00	0	0	50	0.0	64.00	97	161.00
107	Maharashtra	Sai Agrotech, MIDC, Yavatmal	150	Private	38	0	40	65	0.0	143.0 0	0	143.00
108	Maharashtra	OM Agro Organic, A-76 MIDC, Yavatamal	250	Private	28	0	30	55	0.0	113.0 0	0	113.00
109	Maharashtra	Envrionmental Protection Research Foundation, ' Arundhati' Vishrambag, Sangali (M.S.)	150	Private	1	0	0	6	0.0	7.00	40	47.00

110	Maharashtra	Choudhury Agrotech, Sri Devi Complex, Agyaram Devi Chowk, Subhas Road, Nagpur (M.S.)	150	Private	250	25	100	500		875.00	100	975.00
111	Maharashtra	Govinda Agro Tech Pvt. Ltd., Opposite Agyaram Devi Mandir, Bus Stand Road, Nagpur (M.S.)	350	Private	12	0	17	35	0.0	64.00	0	64.00
112	Maharashtra	Microplex India, 36 Mohata Market, Main Road, Wardha	9500	Private	1500	500	2000	2000	3500.0	9500.00	0	9500.00
113	Maharashtra	Ruchi Bio Chem., Gondia	150	Private	70.2	87.6	13.87	55.8	0.0	227.47	0	227.47
114	Maharashtra	Nirmal Seeds Pachora, Jalgaon	150	Private	30.5	0	3.9	101.77	0.0	136.17	0	136.17
115	Maharashtra	Ruchi Oyster Mushroom, Gondia	150	Private	64.5	60.52	10.55	85.55	0.0	221.12	0	221.12
116	Maharashtra	Krishi Vigyan Kendra, Babhaleshwar, Ahmednagar	150	Private	2.96	0	0.93	4.22	0.0	8.11	5.41	13.52
117	Maharashtra	Manshya Environment Biotech Pvt. Ltd., Pune	150	Private	0	0	0.5	3.2	0.0	3.70	3.6	7.30
118	Maharashtra	College of Agriculture, Pune	150	Govt	6.99	0.31	9.95	19.98	0.0	37.23	6.36	43.59
119	Maharashtra	Krushi Padavidhar Audyogik Sah. Sangh Ltd., Islampur, Sangli	150	Private	15.7	0	5.9	34.01	0.0	55.61	0	55.61
120	Maharashtra	Nilyam Biofertilisers Production, Wardha	150	Private	21	0	10.7	31.2	0.0	62.90	0	62.90
121	Maharashtra	DEENI Chemicals Chandrapur	150	Private	10	15	10	15.2	0.0	50.20	25.5	75.70
122	Maharashtra	INORA, Pune	200	Private	21.2	1.2	31.9	111	0.0	165.30	25.5	190.80
123	Maharashtra	Vasant Biotech, Pusad	150	Private	21.7	0	19.2	50.1	0.0	91.00	20	111.00
124	Maharashtra	Vidarbha Biotech Lab, Yavatmal	150	Private	30.1	0	20.4	50.2	0.0	100.70	54	154.70
125	Maharashtra	Krishi Vigyan Kendra, Amravati	50	KVK	10.40	0	18.3	19.20	0.0	47.90	50.00	97.90
126	Maharashtra	Kisan Javic Fertilisers, Wardha	200		70.20	0	0	25.60	0.0	95.80	0.00	95.80

127	Maharashtra	Niku Bioresearch , Pune	150	Private	15.60	10.50	10.00	12.50	0.0	48.60	20.00	68.60
128	Maharashtra	Ram Krusha Bajaj College of Agriculture, Wardha	50		0.00	0.00	0.00	1.50	0.0	1.50	3.50	5.00
129	Maharashtra	Krusha Vishwa Biotech , Ahamednagar	100	Private	17.50	18.90	0.00	20.20	0.0	56.60	0.00	56.60
130	Maharashtra	Mahalaxmi Biotech Jalgaon	50	Private	0.00	0.00	0.00	0.00	0.0	0.00	5.00	5.00
131	Maharashtra	Ananad Niketan College of Agriculture, Warora	50	Private	1.80	0.00	1.70	2.50	0.0	6.00	5.50	11.50
132	Maharashtra	NCS Crop Science Pvt Ltd, Nagpur	150	Private	2.50	5.00	2.00	2.50	2.5	14.50	5.00	19.50
133	Maharashtra	K. Fert , Nanded	150	Private	2.50	5.00	2.20	1.00	0.0	10.70	0.00	10.70
134	Maharashtra	Sri Biotech , Wardha	150	Private	2.00	2.00	5.00	1.00	0.0	10.00	0.00	10.00
135	Maharashtra	Sainath Agro-Vet Industries Pvt. Ltd., Kopergaon, Ahmednagar	150	Private	1.24	0	1.65	2.09	0.0	4.98	0	4.98
	Maharashtra Total		15125.00		2262.39	731.03	2376.65	3373.62	0.0	8743.69	622.90	9366.59
136	Nagaland	Biofertilizer Lab, Medziphema, Nagaland, Kohima	150	GOI funded	2.5	1.5	2.5	6.5	0.0	13.00	0	13.00
	Nagaland Total		150		2.5	1.5	2.5	6.5		13.00	0	13.00
137	Odisha	Orissa Agro Industries Corporation Ltd., Satya Nagar, BBSR.	100	Govt	0.58	0.77	3.00	3.4	0.0	7.75	0	7.75
138	Odisha	Maa Kanak Biofertilisers Jagannath Vihar Bhubaneshwar	100	Private	16.50	0	35.50	20.00	0.0	72.00	0	72.00
139	Odisha	Glare Chemicals , Sakshi Gopal puri	100		8.00	6.00	15.00	12.00	0.0	41.00	0	41.00
140	Odisha	Transworld Farmers Fertilisers Co. Ganjam	144	provate	7.00	2.00	25.00	30.00	0.0	64.00	0	64.00
141	Odisha	S.R Enterprises Shantinagar , Bhubaneshwar	60	Private	7.00	5.00	28.00	20.00	0.0	60.00	0	60.00
142	Odisha	Shakti Biofertilisers Dhankanal	50	Private	2.50	2.50	5.00	7.50	0.0	17.50	0	17.50
143	Odisha	Guru Agro tech , Jarka, Jaipur	50	Private	2.61	3.27	30.46	26.88	0.0	63.22	0	63.22

144	Orissa	Kalinga Fertilisers , Chasapara Cuttack	0	Private	1.50	0	0	1.5	0.0	3.00	0	3.00
145	Odisha	East Cost Biotech Project Plot No. 99, Surya Nagar, Bhubaneshwar	800	Private	24.66	13.38	0	206.81	0.0	244.85	0	244.85
146	Odisha	Bacterial Inoculation, Lab bhubaneshwar	50	Govt	2.10	3.50	2.80	8.40	0.0	16.80	0	16.80
	Orissa Total		1454		72.45	36.42	144.76	336.49	0.0	590.12	0	590.12
147	West Bengal	Director of Agriculture, West Bengal	NA	Govt	37	50.5	47.5	157.5	0.0	292.50	22.5	315.00
148	West Bengal	Excel Biotech Pvt.Ltd., CE- 14, Jyangara More Baguiati, Kolkata-9	150	Private	10.5	1.50	18.00	30	0.0	60.00	6.67	66.67
149	West Bengal	B.C.K.V.,LakeHall Campus,Kalyani	150	Govt	6.00	0	18.40	30.60	0.0	55.00	0	55.00
150	West Bengal	Nitrofix Laoratories, 25, Bansdrone Avenue, Kolkata	200	Govt	34.40	4.50	10.5	65.6	0.0	115.00	0	115.00
151	West Bengal	Vivekananda Insti. Of Bio- Technology, Nimipith Ashram, South 24th Pargana, W.B.	50	Govt.	2.20	0	2.2	2.3	0.0	6.70	6.5	13.20
152	West Bengal	Laila Agro-tech, Rajibpur, North 24, Pargansa	50	Private	6.40	3.60	7.4	22.6	0.0	40.00	0	40.00
153	West Bengal	Mrcobac, Shyamnagar, West Bengal	50	Private	7.80	1.50	5.5	19.2	0.0	34.00	0	34.00
	West Bengal Total		650		104.30	61.60	109.50	327.8	0.0	603.20	35.67	638.87
154	Jharkhand	Birsa Agril, University, Department of Soil Science and Agricultural Chemistry, Kanke, Ranchi-6	50	SAU	0.42	0	4.606	3.35	0.0	8.38	0.105	8.48
	Jharkhand Total		50		0.42	0	4.606	3.35	0.0	8.38	0.105	8.48
155	Punjab	M/s Amar Biotech, P-45, Groth Centre, Bhandita	3000	Private	34.878	0	0	81.577	0.0	116.46	0	116.46

156	Punjab	International Biotech Chakwala Tiba, Sito Road, Abohar (Firojpur)	795	Private	1.528	10.67	1.53	200.54	0.0	214.26	0	214.26
157	Punjab	Antecedant, Pobulum Inc, E-55, Industrial Road, Bathinda	366	Private	51.96	0	1.076	282.48	0.0	335.52	0	335.52
158	Punjab	Max Grow Biotech (P) Ltd., Prabhu Simram Kandra Chhoti Jawdi, Ludhiana	18	Private	2.86	3.30	16.04	0.81	0.0	23.01	0	23.01
159	Punjab	Sai Bio Organics, D-82, Industrial Focal Point, Moga	5	Private	2.98	0	0	0	0.0	2.98	0	2.98
	Punjab Total		4184		94.203	13.964	18.646	565.411	0.0	692.22	0	692.22
160	Rajasthan	Jaipur Biofertilizer, J-71, Ashok Chowk, Adarsh Nagar, Jaipur- 302 004	450	Private	27.76	0	25.02	147.00	0.0	199.78	0	199.78
	Rajasthan Total		450		27.76	0	25.02	147	0.0	199.78	0	199.78
161	Tamil Nadu	Biofertiliser Production Unit, Cuddalore	270	Govt	0	66.52	49.36	0	0.0	115.88	0	115.88
162	Tamil Nadu	Biofertiliser Production Unit, Salem	310	Govt	117.04	119.96	73.04	0	0.0	310.04	0	310.04
163	Tamil Nadu	Biofertiliser Production Unit, Trichy	250	Govt	0	98.85	30.78	76.56	0.0	206.19	0	206.19
164	Tamil Nadu	Biofertiliser Production Unit, Kudumian malai	250	Govt	0	94.71	37.89	66.08	0.0	198.68	0	198.68
165	Tamil Nadu	Biofertiliser Production Unit, Ramananthpuram	250	Govt	0	103.62	29.76	101.13	0.0	234.51	0	234.51
166	Tamil Nadu	Biofertiliser Production Unit, Sakottai, Tanjore	270	Govt	0	92.48	11.04	80.6	0.0	184.12	0	184.12
167	Tamil Nadu	Biofertiliser Production Unit, Kattankuldahur, Kanjivaram	250	Govt	0	18.21	70.08	0	0.0	88.29	0	88.29
168	Tamil Nadu	K. Colur (Thirvananmalai)	250	Govt	0	13.21	3.33	7.25	0.0	23.79	0	23.79
169	Tamil Nadu	Biofertiliser Production Unit, Abhilashi, Tripur District	250	Govt	0	21.10	7.66	14.2	0.0	42.96	0	42.96
170	Tamil Nadu	Biofertiliser Production Unit, Bahvani, Erode	250	Govt	0	8.62	2	16.9	0.0	27.52	0	27.52

171	Tamil Nadu	Biofertiliser Production Unit, Thenkashi , Thirunelveli	250	Govt	0	23.12	8.72	20.22	0.0	52.06	0	52.06
172	Tamil Nadu	Biofertiliser Production Unit, Needholongal, Thiruvayur	250	Govt	0	10.34	6.82	13.82	0.0	30.98	0	30.98
173	Tamil Nadu	Biofertiliser Production Unit, Pattakode Dhamapuri	250	Govt	0	20.00	10.01	18.51	0.0	48.52	0	48.52
174	Tamil Nadu	Biofertiliser Production Unit, Uttarapalayam , Theni	250	Govt	0	7.80	5.20	8.20	0.0	21.20	0	21.20
175		Biofertiliser Production Units, Tuticorm	250	Govt	0	9.80	3.18	6.62	0.0	19.60	0	19.60
176	Tamil Nadu	Monarch Biofertilisers, Chennai	10	Govt	0	0.41	0	2.10	0.0	2.51	11.12	13.63
177	Tamil Nadu	Esvin Advance Tech Ltd , Chennai	300	Private	1.00	81.10	11.10	80.12	0.0	173.32	35.00	208.32
178	Tamil Nadu	Elbitech Inovation Ltd, Chennai	100	Private	25.12	21.00	24.32	195.19	0.0	265.63	576.10	841.73
179		MFL , Chennai	300	Private	51.00	0	0	7.12	0.0	58.12	0	58.12
180	Tamil Nadu	Marygreen Agrotech P.Ltd, Chennai	250	Govt.	0	0	0	0	0.0	0.00	172.86	172.86
181	Tamilnadu	Laxmi Biotech, Cuddalore	250	Private		0	0	0	0.0	0.00	0	0.00
182	Tamilnadu	Rajshree Sugars, Theni	30	Private	0	0	0	11	0.0	11.00	0	11.00
183	Tamilnadu	Seema Cotton Development and Research Association, Coimbatore	100	Private	0	0	0	3.1	0.0	3.10	0	3.10
184	Tamilnadu	T. Satnes & Co. Ltd, Coimbatore	660	Private		0	0	211.1	0.0	211.10	253.12	464.22
185	Tamil Nadu	Krishi Care Bio Inputs Plot No. 51, Madha Nagar, Main Raod, Madhanagar, Mouliwakkam, Chennai- 16	200	Private	0	0	0	31.73	0.0	31.73	141.19	172.92
186	Tamil Nadu	M/s Jeypee Biotechs 2/527East Street , Kullursandai 626 053	75	Private	3.5	60	0.75	60	100.0	224.25	315	539.25
187	Tamil Nadu	M/s Green Peace Associates, 201, Mettur Road Erode- 638 001	250	Private	0	0	0	0	0.0	0.00	197.16	197.16

188	Tamil Nadu	Balaji Biotech Research Centre, Sathanur, Vazhur Post, Vandavasi Tq. Thiruvannamalai DT. Tamil nadu	250	Private	0	0	0	0	0.0	0.00	211.16	211.16
189	Tamil Nadu	Shristti Bioproducts Pvt. Ltd., 48, Ramar Koil Street, Ramnagar, Coimbatore- 641 009	200	Private	0	0	0	161.22	0.0	161.22	0	161.22
190	Tamil Nadu	Forest Ranger, Modern Nursery Range, Dharmapuri-5, T.N.	50	Govt.	0	0	0	0	0.0	0.00	989.10	989.10
191	Tamil Nadu	Srinivasa Marine Chemicals, 19, Veeran Street Tirumangalam, Madurai, DT, P.O. No.- 24-625706	1000	Private	0	0	0	0	0.0	0.00	480	480.00
192	Tamil Nadu	Pasumai Agro Industries, #2, New Street, Valavachanur (PO), Chengam TK, Thiruvannamalai DT, T.N.- 606 753	550	Private	0	0	0	0	0.0	0.00	161.2	161.20
193	Tamil Nadu	Tamil Nadu Cooperative Sugar Federation Ltd., 474, Anna Salai, Periyar EVR Bldg., 5th Floor Nandanam, Chennai- 600 035	400	Govt.	0	0	0	91.19	0.0	91.19	0	91.19
194	Tamil Nadu	Innova Agrotech (P) Ltd., 2/527-1, East Street, Kuloorchanadai, Virudhunagar- 626 001	600	Private	0	0	0	0	0.0	0.00	512.39	512.39
195	Tamilnadu	Bannariamman Sugars Ltd, Biolab, Satyamangalam, Erode	1000	Private	0	13.41	0	61.22	0.0	74.63	801.19	875.82
196	Tamil Nadu	P.L. Agrotech , Chennai	0	Private	0	0	0	0	0.0	0.00	41.2	41.20
197	TamilIndu	M/s Ram Krishna, Chennai	250	Private	0	0	0	31.32	0.0	31.32	139.68	171.00

198	Tamil Nadu	M/s Arvee Biotech, 134, East Car Street, Chidambaram, Cuddalore DT, TN- 608 001	1500	Private	0	42.14	0	388.1	0.0	430.24	901.12	1331.36
199	Tamilnadu	, Konavurani, Kattathi Rd, Susayapparpattinum, Kalayarkoli	NA	Private	0	0.05	0	0.06	0.0	0.11	2.7	2.81
	Tamil Nadu Total		12175		197.66	926.45	385.04	1764.66	100	3373.81	5941.29	9215.10
200	Tripura	State Biofertilizer Production Centre, State Agriculture Research Station, Arundati Nagar, Agartala, Tripura	300	Govt.	4.68	1.86	0.04	5.44	0.0	12.01	0.01	12.02
201	Tripura	Tripureswari (PPP Model)	NA	Private	233.00	225.00	0	246.00	0.0	704.00	0	704.00
202	Tripura	Sova Enterprise, Agartala, Tripura	NA	Private	299.90	236.14	0	290.799	0.0	826.85	0	826.85
	Tripura Total		300		537.58	463	0.04	542.239	0.0	1542.85	0.01	1542.86
203	Uttar Pradesh	Moti Lal Nehru Farmers Training Institute, CORDET, IFFCO, Ghiyanagar, Phulpur, Allahabad	450	GOI funded	3693.62	0	0	408.61	0.0	4102.23	0	4102.23
204	Uttar Pradesh	Soil Testing and Biofertilizer Production Lab, Etah	20	GOI funded	0	0	8.785	79.055	0.0	87.84	0	87.84
205	Uttar Pradesh	Regional Agriculture Testing and Demonstration Station, Etawah	20	Govt.	0	0	11.749	105.746	0.0	117.50	0	117.50
206	Uttar Pradesh	Soil Testing Lab, Badaiu	20	Govt.	0	0	13.433	120.892	0.0	134.33	0	134.33
207	Uttar Pradesh	Soil Testing Laboratory, Aligarh	45	Govt.	0	0	8.321	74.884	0.0	83.21	0	83.21
208	Uttar Pradesh	Regional Soil Testing Laboratory, Jhansi	20	Govt.	0	0	5.773	51.962	0.0	57.74	0	57.74
209	Uttar Pradesh	Regional Soil Testing Laboratory, Banda	20	Govt.	0	0	9.598	86.387	0.0	95.99	0	95.99
210	Uttar Pradesh	Soil Testing Laboratory, Jalaun, Urai	20	Govt.	0	0	10.125	91.125	0.0	101.25	0	101.25

211	Uttar Pradesh	Soil Testing Laboratory, Lucknow	20	Govt.	0	0	17.469	157.221	0.0	174.69	0	174.69
212	Uttar Pradesh	State Institute for Management of Agriculture, Rehmankhhera- Lucknow	20	Govt.	0	0	20.849	187.636	0.0	208.49	0	208.49
213	Uttar Pradesh	Regional Agriculture Testing and Demonstration Station, Mathura	20	Govt.	0	0	3.361	30.254	0.0	33.62	0	33.62
214	Uttar Pradesh	Regional Agriculture Testing and Demonstration Station, Azamgarh	20	Govt	0	0	35.802	322.218	0.0	358.02	0	358.02
215	Uttar Pradesh	Regional Agriculture Testing and Demonstration Station, Barbanki	20	Govt	0	0	6.926	62.329	0.0	69.26	0	69.26
216	Uttar Pradesh	Regional Agriculture Testing and Demonstration Station, Bareilly	20	Govt	0	0	8.122	73.103	0.0	81.23	0	81.23
217	Uttar Pradesh	Regional Agriculture Testing and Demonstration Station, Meerut	20	Govt	0	0	13.815	124.335	0.0	138.15	0	138.15
218	Uttar Pradesh	Regional Agriculture Testing and Demonstration Station, Varanasi	20	Govt	0	0	23.747	213.718	0.0	237.47	0	237.47
219	Uttar Pradesh	Soil Testing Laboratory, Bahraich	20	Govt	0	0	0	0	0.0	0.00	0	0.00
220	Uttar Pradesh	Soil Testing Laboratory, Sultanpur	20	Govt	0	0	23.692	213.233	0.0	236.93	0	236.93
221	Uttar Pradesh	Gama Organomed Plus (P) Ltd., F-53, Transport Nagar, Kanpur Road, Lucknow	20	Private	28.175	1.724	2.977	33.048	0.0	65.92	1.044	66.97
222	Uttar Pradesh	Hindustan Bio Energy Ltd, Lucknow	NA	Private	150	13.2	7.87	54.2	16.0	241.27	45.50	286.77
223	Uttar Pradesh	Regional Soil Testing Laboratory, Devipatan	20	Govt.	0	0	207	1863	0.0	2070.00	0	2070.00
	Uttar PradeshTotal		855		3871.79	14.92	439.41	4352.96	16.00	8695.08	46.54	8741.63
223	Uttarkhand	Pantnagar Biolab, Unit of Singh Association, Sector-2, Plot No. 20A, Siddukul, Pantnagar, Udham Singh	150	GOI funded	17.13	0	0.1	23.54	0.0	40.77	0	40.77

		nagar										
224	Uttarkhand	M/s Shriram Solvent Extraction Pvt. Ltd, Kashipur Road, Juspur-244 712, Udham Singh Nagar	400	GOI funded	111.12	4.373	6.667	100.08	0.0	222.24	0	222.24
	Uttarkhand Total		550		128.25	4.373	6.767	123.62	0.0	263.01	0	263.01
225	Pondicherry	ROM Vijay Biotech No. 5, Cuddalore Main Road, Kanniakoil Pondicherry	150	Private	11.12	36.92	71.12	298.68	0.0	417.84	901.19	1319.03
226	Pondicherry	Green Tech Horti Consultancy Services C/o Mr. C.Ganeche 92-Nallavadu Road Abiga hekapakkam (PO), Pondicherry-7	500	Private	0	39.68	0	31.00	0.0	70.68	289.56	360.24
227	Pondicherry	P.K Krishi Vigyan Kendra, Pondicherry	75	KVK	0	0	0	0		0.00	53.42	53.42
228	Pondicherry	M/s. Golulam Enterprises, No. 36, Sri Ram Nagar, Cuddalore Pandy Main Road, Kaniakoil Puducherry	75	Private	0	0.61	0	0.15	0.0	0.76	51.98	52.74
229	Pondicherry	M/s PASIC, BF Prodn. Centre Agro House Agriculture Complex, Thattanchavady, Puducherry	90	Govt.	0	8.18	2.1	9.89	0.0	20.17	8.19	28.36
	Pondicherry Total		890		11.12	85.39	73.22	339.72	0.0	509.45	1304.34	1813.79
	Grand Total		63998		10621.96	4193.37	6006.51	19385	117.5	40324.20	28853.88	69178.09
Note : The figure are including Liquid BF (Multiplied by 5)												
* Others include compost enrichers (Trichoderma, Paceliomyces etc.), PGPRs, BGA, Azolla												

Annexure III

Organic Manures and Organic Fertilizers Production and Availability (2011-12)

**State-wise details of different organic manures produced /available (lakh mt) and area covered (lakh ha) in different States (2011-12)-
(As per details provided by the states and adjusted against availability of biomass for manuring purpose)**

Sr. No	Name of the State	Rural Compost	Urban compost	FYM	Vermicompost	Green Manuring	Other manures	Total Manure Lakh MT
1.	Andhra Pradesh	48.00	0.11	25.00	1.2	31.69	0	106
2	Arunachal Pradesh	0.005	0	0.002	0.0053	0	0	0.0123
3	Assam	0.95	0.55	0	1.35	0	0	2.85
4	Bihar	16.50	2.75	45.00	2.00	0	0	66.25
5	Chhattisgarh	80.30	3.15	36.00	2.00	2.70	5.00	129.15
6	Goa	1.57	0.022	0	0.015	2.69	0.007	4.304
7	Gujarat	0	0	358.00	0.50	0	5.00	363.5
8	Haryana	10.05	0	7.85	0.50	0	0	18.4
9	Himachal Pradesh	23.00	0.05	12.00	5.50	0	0	40.55
10	Jammu & Kashmir	12.35	0.13	9.603	0.008	0.04	0.0761	22.2071
11	Jharkhand	6.41	0.80	15.41	209.94	1.40	0.49	234.45
12	Karnataka	256.33	98.22	625.40	5.88	106.21	16.58	1108.62
13	Kerala	0.45	0.6	75.00	0.15	4.77	4.02	84.99
14	Madhya Pradesh	45.00	3.50	85.50	2.00	0	0	136
15	Maharashtra	0	0	0	0.17	0	0.65	0.82
16	Manipur	0	0	0.50	0	0	0	0.5
17	Mizoram	0	0	0.045	0.036	0	0	0.081
18	Meghalaya	0	0	0.004	10.57	0	0	10.574
19	Nagaland	0.060	0	0	0.0125	0.089	0	0.1615
20	Orissa	10.77	0.081	0	0.33	0.27	0.04	11.491
21	Punjab	307.50	0.08	0	0.60	33.11	0	341.29
22.	Rajasthan	19.752	15.06	252.54	0.036	7.133	0	294.521
23	Sikkim	0.005	0	0	0.0008	0	0	0.0058
24	Tamil Nadu	5.02	0.56	1.29	1.48	0.02	0	8.37
25	Tripura	0	0	0	0	0	0	0
26	Uttar Pradesh	7.93	7.50	275.00	2.306	35.05	0	327.786
27	Uttarakhand	9.20	0.40	0	0.47	0	0.57	10.64
28	West Bengal	78.70	7.30	36.50	21.45	15.89	3.00	162.84
	Total	939.852	140.863	1860.644	268.5096	241.062	35.4331	3486.3637

P&A- Production and Availability (lakh tones), AC- Area covered (lakh ha). 0-means data not provided by the State Government

Annexure IV

Area Under Organic certification Process and Production of different commodities (2011-12)

**State wise area in ha under organic certification
(including wild harvest) 2011-12**

Name of States	Area (ha)
Andhra Pradesh	47456.77
Arunachal Pradesh	520.43
Assam	2048.27
Andman	0
Bihar	188.6
Chhattisgarh	299970.6
Delhi	100238.7
Goa	153684.6
gujarat	41978.94
Haryana	17442.36
Hinachal Pradesh	933798.2
J&K	26834.26
Jharkhand	29794.42
Karnataka	118739.7
Kerala	15790.49
Lakshadweep	891.93
Madhya Pradesh	432129.5
Mahrashtra	245339.3
Manipur	1296.91
Meghalaya	288.23
Mizoram	7023.97
nagaland	7762.6
Orissa	43868.18
Punjab	927.28
Rajashthan	222319.1
Sikkim	25716.55
TN	38554.33
Tripura	4.05
UP	2593821
Uttarakhand	122880.6
West Bengal	19095.55
Total	5550405

Commodity-wise Production Details of Top Ten Products (2011-12)

S.No.	Product Name	Organic Production (MT)	In Conversion Production (MT)	Total Production (MT)
1.	Cotton	107591	3792	111383
2.	Cereals & Millets (excluding rice)	33888	6898	40786
3.	Rice (Basmati & non Basmati)	17345	5329	22674
4.	Pulses	12504	453	12957
5.	Fruits and Vegetables	7801	427	8228
6.	Tea	5272	1.0	5273
7.	Oil Seeds excluding Soyabean	2835	15	2850
8.	Coffee	1139	238	1377
9.	Dry Fruits	490	32	522
10.	Medicinal & Herbal Plants	189	0	189

Source: APEDA

Annexure V

Staff Strength and Incumbancy Position

Annexure- V Staff Position in respect of National Project on Organic Farming as on 31st March, 2012

Sr. No.	Post	Ghaziabad	Bangalore	Bhubaneshwar	Nagpur	Imphal	Jabalpur	Hisar
1.	Director	Dr. A.K. Yadav	--	--	--	--	--	--
2.	Regional Director	--	Dr. Krishan Chandra (lien vacancy)	Dr. R.N. Bisoyi	Dr. V. Dwivedi (lien vacancy)	--	--	--
3.	Sr. Admn. Officer (1)	Vacant	--	--	--	--	--	--
4.	Dy. Director (Trg.)	Dr. D. Kumar (lien vacancy)	--	--	--	--	--	--
5.	Asstt. Director	Dr. Krishan Bihari (lien vacancy)	Sh. R. Kumar	--	Sh. T.K. Ghosh Sh. P. Majumdar (lien vacancy)	Sh. P.R. Nath		Sh. R.P. Singh
6.	Jr. Scientific Officers	Dr.A.K. Shukla Dr. V.K. Verma Dr. Dushyent Gehlot Dr. D.S. Yadav (lien vacancy)	Sh. Harish Srivathsa Sh. S. R. Ingle Dr. Manoj Gupta (lien vacancy)	Dr. V. Pandey (lien vacancy)	Dr.S.M.Mowade Dr.V.Y.Deoghare	--	Dr. M.K. Paliwal Dr. A.S. Rajput	Sh. Jagat Singh
7.	Cataloguer(1)	Sh. Hari Bhajan	--	--	--	--	--	--
8.	Storekeeper (1)	Sh.S.K. Bhartiya	--	--	--	--	--	--
9.	Steno Grade-I	Sh.Vipan Malhotra	--	Smt. Sumitra Soren	Smt. K.S. Rao	--	Smt.Leena Anil	--
10.	Steno Grade-II	Sh. Bihari Lal	Ms. Sunita Hanovar	--	--	--	--	Sh. Gulshan Kumar
12.	Accountant	Smt. Saroj Khullar (on dep.)	--	Sh. A. Mallick	--	--	--	Sh.Davinder Kumar
13.	U.D.C.	Smt. Niraj Gupta	Sh. A.R. Bhat	Sh.P.K. Nayak	Sh.K.G.Kulsange	--	--	--
14.	L.D.C.	Sh. L.C. Yadav Sh. Satish Kumar	--	--	--	--	Sh.Santosh Kumar	--
15.	Lab. Asstt.	Sh. Subhash Chandra Sh. Pramod Kumar	--	Sh. V.C. Pandey Sh. D.K. Sharma	Sh.M.K. Meena	Sh.J.B. Karmakar	Sh. Ramesh Sh.S.K.Bakshi	Sh.Charan Singh Sh. Arjun Singh Sh. Devender Singh
16.	Driver	Sh. Om Parkash	Sh. Ramesh	Sh.Digamber Sahoo	Sh.B.S.Gajbiye	Mohd.Bashir Ahmad	Sh. Kailash Chandra	--
17.	Peon	Sh. Mange Ram	Sh.S.E. Rajanna	Sh. Rabindra K.Hati	Sh.V.D. Patil	Sh.Khelseik Koireng	Smt.Shashi Devi Parihar	Sh. Hukam Chand
18.	Field-cum-Lab. Attdt.	Sh. Basant Kumar Sh.Bhagwan Swarup	Sh.Mahavir Singh	Sh.Prahlad Nayak Sh. P.K. Singh	Sh.S.Y. Kamble Sh. M.Y.Meshram	Sh.S.Pishak Singh Sh.Y.Shongsang	Sh.S.K. Patel Sh. L.K. Naik	1) Sh.Prabhu Dayal 2) Sh.Harish Kumar
19.	Chowkidar	Sh. Radhey Shyam	Sh. M.Nagaraja	Sh.Ramesh Ch.Das	Abolished	Sh.Y.T.Koireng	Abolished	Sh.Balbir Singh
	TOTAL (85)	22	11	12	12	07	10	11