



Parnanetra

Ayurvedic Agro System Standards

A Participatory Guarantee System

PGS Initiator :-Parnanetra Organic PGS

Admin Off- 235, Govt Press Colony , Dabha, Nagpur- 440023, Maharashtra, India

Email-parnanetra.pgs@gmail.com, Website-www.parnanetrpgs.com



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1 Definitions
Accredited certification agency -An agency accredited by National Accreditation Body under National Program on Organic Production (NPOP) for certification of organic production system
Ayurvedic -Ayurveda is a traditional system of medicines and health care of India.
Buffer zone -A clearly defined and identifiable live boundary (of Shrubs/Plants) area bordering an organic production site that is established to limit application of, or contact with, prohibited substances from an adjacent area.
Co-mingling -Accidental or intentional mixing of organic and conventional produce
Contamination -Pollution of organic product or land; or contact with any material that would render the product unsuitable for organic certification.
Conversion period -The time period required for converting a conventional farm to organic farm
DAC -Department of Agriculture and Cooperation, Ministry of Agriculture
Diversity -Creation of biological diversity by planting different types of trees, bushes and plants and by taking various types of crops simultaneously at given time.
Habitat management Practices and protocols for management of an area in which ideal environment is created for existence of various plant or animal species naturally.
Homeopathy -Homeopathy is a system of medicine.
IFOAM -International Federation of Organic Agriculture Movements.
Facilitating Agency -An Agency involved in promotion of Organic Agriculture to assist in management and implementation of PGS norms, including data management on website on behalf of Farmer Consumer Group(s) & Local Group(s).
Farmer Consumer Group - A group of Consumers & 1 Farmer working together for participatory organic guarantee program under Parnanetra Organic PGS norms and guidelines.
Local Group -A group of farmers working together for participatory organic guarantee program under Parnanetra Organic PGS norms and guidelines.
Dairy - Cows, Bulls, Buffalo at farm.
Parallel production -Means any production system where the same unit is growing, breeding, handling or processing the similar products both in organic and in non- organic system.
Part Conversion -Means when part of a conventional farm or unit has already been converted to organic production or processing and a part is either conventional or in the process of conversion.
Parnanetra Organic PGS-NAC -Parnanetra Organic PGS- -National Advisory Committee is the apex policy and decision making body for Parnanetra Organic PGS Program.
NCOF -National Centre of Organic Farming, Department of Agriculture and Cooperation, Government of India.
NPOP- National Program for Organic Production - Organic Standards of Government of India.
Participatory Guarantee System (PGS) -PGS is a quality assurance initiative that is locally relevant, emphasize the participation of stakeholders, including producers and consumers and operate outside the frame of third party certification. As per the definition of IFOAM (2008) 'Participatory Guarantee Systems are locally focused quality assurance systems. They certify producers based on active participation of stakeholders and are built on a foundation of trust, social networks & knowledge exchange.
Peer Review -A process whereby people in similar situations (in this case small holder producers) in some way assess the production practices of their peers. The process can be formal or informal.
Pledge -Pledge is a written document by the operator or local group member committing to abide by the organic production system as per the Parnanetra Organic PGS norms.
RCOF -Regional Centre of Organic Farming -A regional center under National Centre of Organic Farming.
Facilitating Agency -An agency authorized by Parnanetra Organic PGS-NAC to coordinate, monitor and approve certification decisions of Local Group under Parnanetra Organic PGS Program.



Third Party Certification	An organic guarantee program operated under National Program on Organic Production involving an independent agency for verification and certification of organic production processes.
Unani	Ancient system of medicines and health care emerged from Europe
Veterinary	A modern health care system for animals

2 Parnanetra Organic -Participatory Organic Guarantee System

2.1. Preamble

Organic producers around the world have been developing methods to guarantee the organic integrity of their products for fifty years. Today, what is generally referred to as *Third-Party Certification* systems have become the dominant means of Organic Guarantee for world trade. 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. In an attempt to reduce the inequality, a number of alternative methods to guarantee the Organic integrity of products have been developed for small domestic producers, and they are growing rapidly. These alternative programs are now collectively referred to as *Participatory Guarantee Systems* (PGS). The term PGS embodies the active participation of producers and other stakeholders in their organic guarantee process.

2.2 About PGS

Participatory Guarantee System (PGS) is a quality assurance initiative that is locally relevant, emphasize the participation of stakeholders, including producers and consumers and operate outside the frame of third party certification. As per IFOAM (2008) definition ‘Participatory Guarantee Systems is locally focused quality assurance systems. They certify producers based on active participation of stakeholders and are built on a foundation of trust, social networks and knowledge exchange’. PGS is a process in which people in similar situations (in this case small holder producers, Taluka Level) assess, inspect and verify the production practices of each other and collectively declare the entire holding of the group as organic.

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, 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 facilitated by the PGS group itself or in some situations a supportive NGO. The learning process is usually ‘hands-on and involves field days or workshops.

The idea of participation embodies the principle of collective responsibility for ensuring the organic integrity of the PGS.

3. Guiding Principles for Organic Participatory Guarantee System

In tune with the international trends and IFOAM’s PGS Guidelines, Parnanetra Organic PGS system is also based on participatory approach, a shared vision, transparency and trust. In addition it gives PGS movement a National recognition and institutional structure without affecting the spirit of PGS.



3.1. Participation

In Parnanetra Organic PGS System Taluka Agriculture Officer/Block Level Agri Officer / Sub Divisional Agriculture Officer / District Agriculture Officer / Joint Director Agriculture /NGO/ Farmer Group/ Farmer Producer Company is involved as FA to make PGS more Transparent & dynamic. Participation is an essential and dynamic part of Parnanetra Organic PGS. Key Stakeholders (Producers, Consumers, Retailers, Traders, Taluka Agriculture Officer, and others such as NGOs/ Companies Pvt. Ltd /public/ individual persons) are engaged in the initial design, and then in the operation of the Parnanetra Organic PGS and decision making.

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 Participatory Guarantee System PGS
- Stakeholder engagement in the development process
- Understanding of how the system works and
- 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. This includes transparency in decision making, easy access to the data base and where possible farms are open to participation and visits of consumers. Participation of traders/ retailers or consumers in decision making may not be possible under all situations, but their participation in any form will increase the credibility and trustworthiness of the group.

3.2 Shared Vision

Collective responsibility for implementation and decision making is driven by common shared vision. All the key stakeholders (producers, facilitating agencies, NGOs, social organizations, Companies and Agriculture Officer of State Governments) support the guiding principles and goals; *Parnanetra Organic PGS* is striving to achieve. This can be achieved initially through their participation and support in the design and then by joining it. This may include commitment in writing through signing an application, document that includes the vision. Each stakeholder organization (or PGS group) can adopt its own vision conforming to the overall vision and standards of *Parnanetra Organic PGS*.

3.3 Transparency

Transparency is created by having all stakeholders, including producers and consumers, aware of exactly how the guarantee system works to include the standards, the organic guarantee process (norms) with clearly defined and documented systems and how decisions are made. Public access will be ensured to documentation and information about the PGS groups, such as lists of certified producers and details about their farms and non-compliance actions. These will be available through *Parnanetra Organic PGS* website

But still it does not mean that entire information on *Parnanetra Organic PGS* database will be available to everyone.

At the grass roots level transparency is maintained through the active participation of the producers in the organic guarantee process which can include

- Information sharing at meetings and workshops
- Participation in internal inspections (peer reviews)
- Involvement in decision making.

3.4 Trust

The integrity base upon which Parnanetra Organic PGS are built is rooted in the idea that producers can be trusted and that the organic guarantee system can be an expression and verification of this trust. The foundation of this trust is built from the idea that the key stakeholders collectively develop their shared vision and then collectively continue to shape their vision through the *Parnanetra Organic*



PGS. The ways this trust is reflected may depend entirely on factors that are culturally, socially specific to the *Parnanetra Organic PGS* group. The idea of trust assumes that the individual producer has a commitment to protecting nature and consumers' health through organic production.

3.4.1 Mechanism for expressing trustworthiness includes:

- Declaration (a producer pledge) via a witnessed signing of a pledge document
- Written collective undertaking by the group to abide by the norms, principles and standards of *Parnanetra Organic PGS*

3.5 Horizontality

Parnanetra Organic PGS is intended to be non-hierarchical at group level. This will reflect in the overall democratic structure and through the collective responsibility of the PGS group with sharing and rotating responsibility, by engaging producers directly in the peer review of each other's farms; and by transparency in decision making process.

3.6 National networking

Parnanetra Organic PGS while keeping the spirit of PGS intact also aims to give the entire movement an institutional structure. This is proposed to be achieved by networking the groups under common umbrella through various facilitating agencies, Facilitating agency. To make the system completely transparent and accessible to traders and consumers entire data will be hosted on a common platform in the form of a website. *Parnanetra Organic PGS* shall be the custodian of data, define policies and guidelines and undertake surveillance through field monitoring and product testing for residues. Facilitating Agencies and facilitating agencies will facilitate the groups in capacity building, training, knowledge technology dissemination and data uploading on the *Parnanetra Organic PGS* website. But at every stage it will be ensured that these agencies including apex body do not interfere in the working and decision making of the group. Even if surveillance is done and reports are made, the same will also be put on website in public domain. What action is to be taken on adverse reports will be left to the group and Facilitating agency.

3.7 Advantages of Parnanetra Organic PGS over Third Party Certification System

In *Parnanetra Organic PGS* organic farmers have full control over the certification process and are able to produce far more credible and effective system of quality assurance compared to third party certification. Important benefits of this system over third party certification system are as follows:

3.7.1 The procedures are simple; documents are basic and use the local language understandable to farmers.

3.7.2 All the members are local and known to each other. Being themselves practicing organic farmers have high degree of understanding on day-to-day knowledge or acquaintance of the farm.

3.7.3 Peer appraisers are among the group and live in the same village/ nearby villages/Taluka, therefore have better access to surveillance.

3.7.4 Peer appraisal instead of third party inspections reduces cost

3.7.5 Mutual recognition and support between Regional Parnanetra Organic PGS groups ensures better networking for processing and marketing.

3.7.6 Empowers farmers with increased capacity building

3.7.7 Bring consumers to the farm without the need of middleman

3.7.8 *Parnanetra Organic PGS* offer every farmer with individual certificate and each farmer is free to market its own produce independent of group.

3.7.9 Consumers and buyers are often involved in production and verification process.

3.7.10 Random residue testing of produce harvested from member farmer of Parnanetra Organic PGS groups at regular intervals ensures the integrity & increases the trust.



3.8 Limitations of Parnanetra Organic PGS

Parnanetra Organic PGS certification is for Farmer, Group of farmers or communities that can organize and perform farming with **Parnanetra Ayurvedic Agro System** within the village or in close-by villages with continuous territory, (**Taluka level**) and is applicable on, on-farm activities comprising of crop production, on farm processing and off-farm processing of harvest produce ‘by *Parnanetra Organic PGS* farmers of their direct products’.

Parnanetra Farmer Consumer Group

1 Farmer +3 Consumers+ 1 person from facilitating Agency.

Parnanetra Organic PGS.

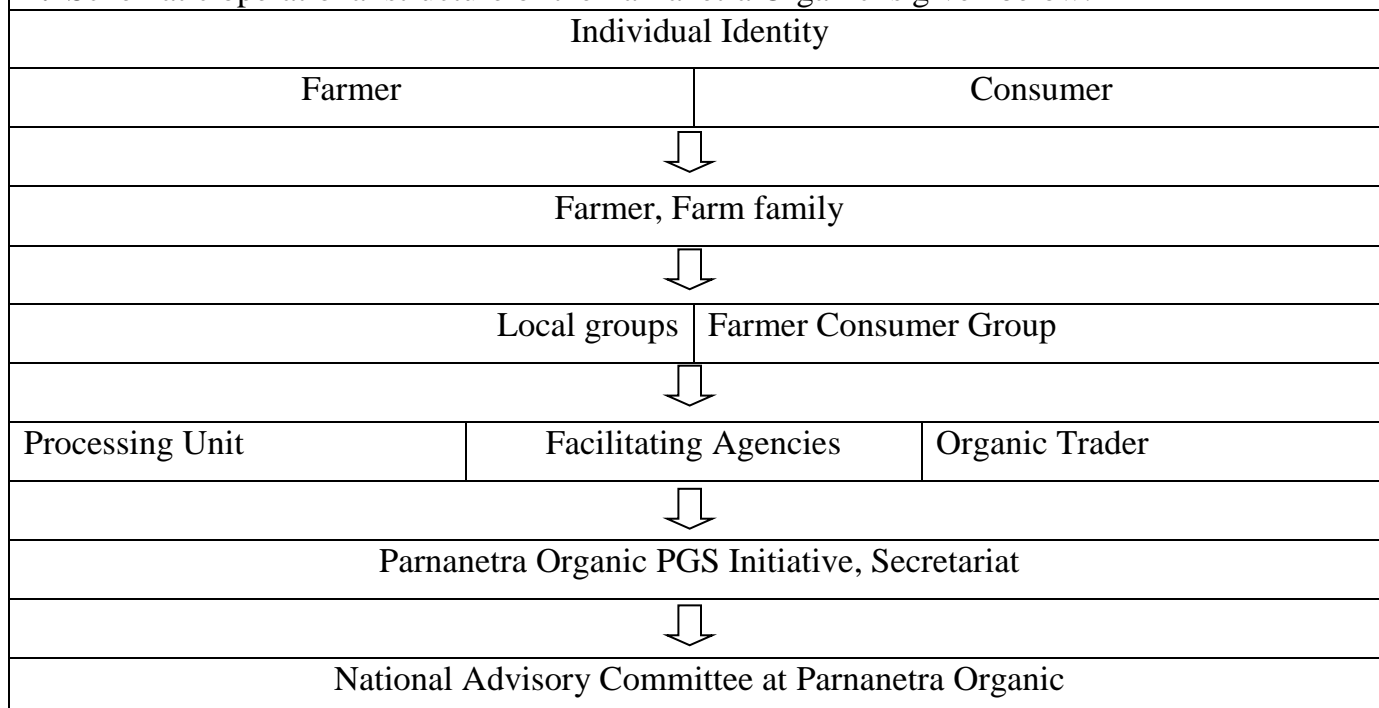
Farmers can form new group or join the existing *Parnanetra Organic PGS* local Group.

Parnanetra Organic PGS is applicable on on-farm activities comprising of crop production, on farm processing and off-farm processing “by *Parnanetra Organic PGS* farmers of their direct products”. Off-farm processing activities such as, storage, transport and value addition activities by persons/agencies other than *Parnanetra Organic PGS* farmers away from the group are not covered under *Parnanetra Organic PGS*. Off-farm input approval granted by the group is applicable on the members of the same group and cannot be taken as a basis for universal approval for other groups. Off-farm inputs need to be approved by each group for their member’s use on case to case basis. Once the Off- Farm Input is Approved by any group can be approved by other Groups.

Parnanetra Organic PGS ensures traceability only up to end till it is in the custody of *Parnanetra Organic PGS* Group. Once the product leaves the custody of *Parnanetra Organic PGS* Group there is no control of PGS on its integrity, Therefore PGS is ideal for local direct sales, direct trade between producer and consumer and direct trade of packed finished product with *Parnanetra Organic PGS* logo between PGS group and traders, retailers. But Local Groups and buyers in consultation with FA can devise some mechanism with full traceability records to allow use of *Parnanetra Organic PGS* logo on products packed by Traders, Retailers.

4 Operational Structure

4.1 Schematic operational structure of the Parnanetra Organic is given below:





4.2 Structure, Role and Responsibilities of different key Stakeholders

4.2.1 Structure

National advisory committee shall be the apex policy making body for Parnanetra Organic PGS Program with following composition:

No	Name & Position	Composition
1	Director of Parnanetra	Chairman
2	Director of Parnanetra	Member
3	Convener of Abhinav Farmers Club	Member
4	Adviser of Parnanetra	Member
5	PGS Project Manager of Parnanetra	Member Secretary
8	Facilitator Representative	Member
9	Local Group Representative	Member
10	Farmer Consumer Group Representative	Member
11	Consumers Representative	Member

First Five members of the committee will be permanent members, Facilitating Agency, Local Group, Farmer Consumer Group and Consumer will be nominated to the committee by rotation system for every 2 years. The farmer representative is required to be the member of a Local Group from that region with certain standing.

4.2.2 Role and Responsibility

National Advisory Committee at Parnanetra Organic PGS being apex policy making body shall be responsible for:

4.2.2.1 Defining operational and policy guidelines and Parnanetra Organic PGS Standards. In case of changes the committee shall ensure that the amendments, modifications are considered “through intensive consultation with the base”.

4.2.2.2 Make changes, improvements and amendments to the program and national coordination structure as a whole without interference in the autonomic functioning of Facilitating Agencies, local groups. Co-ordinate and monitor national level capacity building, education, outreach and surveillance activities.

4.2.2.3 Selection and Authorization of Facilitating Agencies

4.2.2.4 Surveillance and monitoring on the functioning of Facilitating Agencies

4.2.2.5 Sanction, Withdrawal of authorization to Facilitating Agencies on being found not functioning or not functioning according to the guidelines.

4.2.3 Meetings of Parnanetra Organic PGS-NAC

Parnanetra Organic PGS-NAC will meet at least once a year to review the implementation process and for authorization of new councils. PGS-NAC meetings can also be convened at the discretion of the Chairman and or on the request of at least 25% members to take up important matter.

Any policy change, modification in standards and sanctions, punishments needs to be endorsed by the majority of members present in the meeting. Minimum quorum for a meeting will be 30% of total strength. If it is not possible to convene a meeting, urgent issues can be decided by online meeting. In all such cases at least 50% of responding members within the given time frame must endorse the decision. Travel expenses of non-officials (members of FA, Farmers and consumers representatives) shall be borne by Parnanetra Organic PGS Initiative.

4.3 PMPL as PGS Secretariat

Parnanetra PGS Initiative will be the Secretariat of the Parnanetra Organic PGS program with Director PMPL as the Executive authority. Key role and responsibilities of the Secretariat will be as follows:

4.3.1 All executive and secretarial responsibilities related to execution of the program, NAC meetings, implementation of the decisions of NAC, matters to be put up to NAC and coordination with NAG members



- 4.3.2** Advise NAG on all technical and implementation issues
- 4.3.3** Capacity building, education, training and outreach activities for Facilitating agencies.
- 4.3.4** Training of local group leaders through Taluka/District Agriculture Officer in collaboration with Facilitating agencies.
- 4.3.5** Surveillance and monitoring of Facilitating agencies
- 4.3.6** PGS Parnanetra Organic Website design, hosting and maintenance
- 4.3.7** Custodian of entire PGS Parnanetra Organic database
- 4.3.8** Receipt and processing of applications for authorization of NAC as Facilitating agencies
- 4.3.9** Facilitate election of members from Farmers/ Consumers for nomination to Parnanetra Organic PGS-NAC
- 4.3.10** Facilitate and maintain positive relationship with controllers of Third party certification system to ensure the compatibility of PGS program with N POP.
- 4.3.11** Coordinate and liaise with different State Governments for promotion and popularization of Parnanetra Organic PGS program.
- 4.3.12** Surveillance of Parnanetra Organic PGS products through residue testing including collection of PGS samples, getting those samples tested for residue analysis and hosting of residue analysis results on Parnanetra Organic /PGS website.
- 4.3.13** Appellate authority for local groups against the actions and decisions of Facilitating agencies Parnanetra Organic PGS-NAC
- 4.3.14** Literature developments, publicity, technology dissemination and awareness creation through print and electronic media.
- 4.3.15** Except surveillance and monitoring on Facilitating agencies, and the PGS secretariat in no way will interfere in the autonomic functioning of Facilitating agencies and local groups. Even in some cases where secretariat undertakes monitoring of some local groups and find some non-compliance, the same will be reported to the concerned Facilitating agency for further course of action at their discretion. Even in the cases where the PGS samples have been found to be having pesticide residues, the report will be hosted on the website with information to the concerned Facilitating agency for further action at their discretion.

4.5 Facilitating agencies

Facilitating agencies are locally placed and for effective coordination with local groups. Under such scenario it is likely that there will be Taluka Agriculture Office for each & every Taluka as Facilitating agency or Any NGO/ Company/Farmer Group/Farmer Producer Company with office setup in that specific Taluka.

4.5.1 Appointment of Facilitating agencies

Facilitating agencies will be appointed by the Parnanetra Organic PGS-NAC on recommendation of Parnanetra Organic PGS secretariat. Only well-established organizations with proven dedication to the cause of organic agriculture movement and well versed with the organic guarantee, certification systems will be considered. Facilitating agencies should be self-dependent bodies with strong financial health.

4.5.2 Eligibility criteria for appointment of any agency as FA

- 4.5.2.1** Situated in the area of functioning with permanent office and working personals.
- 4.5.2.2** Have access to computer, printer and internet facility
- 4.5.2.3** At least one member is well versed with data handling and data uploading in computer on internet
- 4.5.2.4** Adequate knowledge on organic guarantee, certification and Participatory Guarantee Systems.
- 4.5.2.5** Each FA will be initially authorized for a period of three years. Authorization needs renewal after every three years. Renewal will be considered by Parnanetra Organic NAC on application by the FA and on the recommendation and surveillance report of Parnanetra Organic PGS secretariat.



4.5.3 Role and responsibility of Facilitating agency

4.5.3.1 Training and support to existing and new local groups/Farmer Consumer Group in procedures and paper work necessary for each farmer's organic guarantee.

4.5.3.2 Translate and print Parnanetra Organic PGS paper work in local language

4.5.3.3 Register local groups/Farmer Consumer Group and issue user ID and password for data uploading on Parnanetra Organic PGS website.

4.5.3.4 Facilitate local groups/Farmer Consumer Group in data uploading on Parnanetra Organic PGS website, if local group do not have access to computer and internet.

4.5.3.5 Confirms that the local groups/Farmer Consumer Group Summary Worksheet listing all the farms that are to be Certified Organic is complete and was conscientiously maintained by the group

4.5.3.6 Can NOT pick and choose individual farmers to certify, only approve/confirms the collective decision of the Local Group/Farmer Consumer Group as a whole and organic integrity of the system adopted by the local group/ Farmer Consumer Group.

4.5.3.7 Print and distribute annual Organic Certificates for individual farmer.

Ideally once a Local Group / Farmer Consumer Group / summary sheet with collective decision of the group signed by at least three lead members is endorsed by the FA, the FA activates the UID. On UID activation the group can directly print the certificates for all its members, but in case if the group does not have access to computer and internet then the same will be facilitated by FA.

4.5.3.9 Participate in sampling of local groups/Farmer Consumer Group farm appraisals

4.5.3.10 Provide Local Groups with guidelines for "Non-compliance Sanctions"

4.5.3.11 Participate in online system to provide Summary Worksheet information to interested parties and helps to connect interested parties with the Local Groups/ Farmer Consumer Group for access to individual farmers' Organic Guarantee

4.5.3.12 To ensure complete transparency of the certification process

4.5.3.13 To quickly build trust and credibility in the system as a whole ensure access to members of the public and media.

4.6 Facilitating Agency

Any Person, Firm, Company Pvt. / Public, Trust, Co-Operative Societies, Govt. agencies, NGO's, Farmer Groups, Farmer Producers Company can work as Facilitating Agency.

Facilitating Agency will be appointed by the Parnanetra Organic PGS-NAC on the recommendations of Parnanetra Organic PGS secretariat. Only well-established organizations with proven dedication to the cause of organic agriculture movement and well versed with the organic guarantee, certification systems will be considered. Facilitating agency should be self-dependent bodies with strong financial health.

4.6.1 Eligibility criteria for appointment of any agency as Facilitating Agency

4.6.1.1 Must have proven record on promotion of organic agriculture and organic management practices

4.6.1.2 Situated in the area of functioning with permanent office and working personals.

4.6.1.3 Have access to computer, printer and internet facility

4.6.1.4 At least one member is well versed with data handling and data uploading in computer on internet

4.6.1.5 Adequate knowledge on Organic Guarantee, Certification systems and Participatory Guarantee Systems.

4.6.1.6 All the members have undergone necessary PGS training

4.6.1.7 Each Facilitating Agency will be initially authorized for a period of three years.

Authorization needs renewal after every three years. Renewal will be considered by Parnanetra Organic PGS-NAC on application by the Facilitating Agency and Parnanetra Organic PGS secretariat.

4.6.2 Role and responsibility of Facilitating Agency



- 4.6.2.1** Training and support to existing and new local groups/Farmer Consumer Group in procedures and paper work necessary for each farmer's organic guarantee.
- 4.6.2.2** Translate and print Parnanetra Organic PGS paper work in local language.
- 4.6.2.3** Facilitate local groups/Farmer Consumer Group in data uploading on Parnanetra Organic PGS website, if local group do not have access to computer and internet.
- 4.6.2.4** Confirms that the local groups/Farmer Consumer Group Summary Worksheet listing all the farms that are to be Certified Organic is complete and was conscientiously maintained by the group
- 4.6.2.5** Participate in sampling of local groups/Farmer Consumer Group farm appraisals
- 4.6.2.6** Provide Local Groups with guidelines for "Non-compliance Sanctions"
- 4.6.2.7** Participate in online system to provide Summary Worksheet information to interested parties and helps to connect interested parties with the local groups/Farmer Consumer Group for access to individual farmers' Organic Guarantee
- 4.6.2.8** To facilitate Mutual Recognition and Support for the various groups (and individual farmers) on a Zonal level
- 4.6.2.9** To quickly build trust and credibility in the system as a whole ensure access to members of the public and media.

4.7 Local Group (LG)

Local group & Facilitating Agency are basic functional and decision making body under Parnanetra Organic PGS (Participatory Guarantee System). It is a local group of farmers that live in the same village or close by villages (Taluka Level) and interact regularly with each other. Participation of consumers or representatives of traders or retailers in the group and its functioning should be encouraged as it strengthens the integrity and trust. The local group can be an existing organic group previously working under third party certification system or under the NGO-based PGS or a new grassroots group started and run by interested local farmers/consumers, or it can be started by a regional NGO or Government agency that has agreed to facilitate the formation of a PGS Local Group by coaching an initial group of farmers through the process. The Parnanetra Organic PGS Local Group function is even easier to add on to an existing group of farmers (for example Farmer Self Help Groups or Farmer Cooperatives Societies.)

4.7.1 Requirement and eligibility criteria for a local group

- 4.7.1.1** A Local group should comprise of minimum 5 members belonging to same village or close by villages with continuous territory (Taluka Level).
- 4.7.1.2** Adequate participation of women farmers shall be ensured.
- 4.7.1.3** At least few members of the group shall be well versed with the Parnanetra Organic PGS organic guarantee systems or certification system and National Standards of Organic Production (NPOP) or have undergone training on Parnanetra Organic PGS guarantee system
- 4.7.1.4** All the members in the group have signed the Parnanetra Organic PGS pledge and group agreement to adhere to the group specific vision, participatory approach and collective responsibility.
- 4.7.1.5** Although, there is no restriction on the size of holding of any individual farmer but in any case the holding of one single member should not exceed one third of the total land under the group.
- 4.7.1.6.** Under Parnanetra Organic PGS organic guarantee system normally parallel production and part conversion is not allowed, therefore it is necessary that all group members need to bring their entire farm under organic management as per the Parnanetra Organic PGS standards
- 4.7.1.7** However, Facilitating agency in some cases may allow conversion in phases, but in any case the entire farm holding of the group members must be brought under Parnanetra Organic PGS organic management within 24 months of joining the group. If a farmer under PGS group fails to convert his entire land holding within the stipulated 24 months' time, then he will not be eligible for Parnanetra Organic PGS Organic certification and shall continue to remain under conversion.
- 4.7.1.8** Have access to Parnanetra Organic PGS documents and preferably have access to computer and internet
- 4.7.1.9** Registered with Concerned Facilitating agency and have obtained necessary user ID and password to upload data on Parnanetra Organic website.



4.7.1.10 In case if farmer group is unable to operate on-line system of data up loading then the services can be availed from facilitating agency.

4.7.2 Role and Responsibility of Local Group

4.7.2.1 Organize farmers in the group and each member individually sign Parnanetra Organic PGS organic pledge and group agreement.

4.7.2.2 Provide copies of Parnanetra Organic PGS standards, operational manual and appraisal forms to all the members in local language. If farmers are illiterate then they need to be explained details and standards orally and through pictorial representations.

4.7.2.3 Prepare necessary filed documents with individual farm history.

4.7.2.4 **Elect** Group leader and core team of peer reviewers (minimum 3 in 5 member group). There is no upper limit. It will be an optimal situation if all members of the group can participate in peer reviews, as this contributes to capacity building and information exchange between farmers, and reduce conflicts of interests.

4.7.2.5 Participate in the activities of any other registered Parnanetra Organic PGS group to understand the functioning of the Local Group. Implement standard requirements on the farms of all the group members and obtain endorsement from the other registered group.

4.7.2.6 The Local Groups need to be approved and have to re register after every 3 years from date of Initial Registration is needed. If there are repeated problems (missing paperwork, a random pesticide inspection turns up a problem, a random oversight inspection turns up a problem, etc) THEN they could get disbanded, sanctioned and have to re-apply and could get re-entry only after taking necessary correction and thorough verification by FA.

4.7.2.7 Register the group on Parnanetra Organic PGS website and obtain registration approval from the Facilitating agency.

4.7.2.8 Obtain User ID and password from FA for time to time data up loading.

4.7.2.9 Organize time to time meetings and maintain attendance register. Participation of members in these meetings is a mandatory activity and is an indication of dedication of the member to the cause of groups guarantee scheme. There should be at least 6 times a year, compulsory meetings or more frequently as specified by the Facilitating agency and at key times of the year depending on the season, the crops, etc.

4.7.2.10 Every member need to attend at least 50% of the meetings in a year and sign in attendance register.

4.7.2.11 Advise each other and share information to improve the capacity of the group as a whole.

4.7.2.12 Organize regular training courses by inviting practicing organic farmers from other groups, FA members or experts of other State Govt and Non-Govt agencies.

4.7.2.13 Chalk out peer appraisal strategy and ensure timely appraisal of each farm at least Four Times in a year. Peer reviewers will ensure to complete Peer review appraisal form, sign and submit to the group leader. Each farm is to be appraised by at least a three member team. Inclusion of consumer's representative increases the credibility and trust.

4.7.2.14 Inspection of peer reviewer's farms by another peer reviewer group. To increase credibility and trust the group may have any number of peer reviewers.

4.7.2.15 At appropriate time the group decides which farmers are to be certified. Separate out farmers which are yet to comply with the certification requirements. List out defaulters and impose sanctions.

4.7.2.16 Organize final decision meeting explain the reviewer's results to all the members. Collectively declare the group as conforming to Parnanetra Organic PGS standards (in case of small groups, up to 10 members). If the group is large then elect a sub-group or certification committee, comprising of 5 or more members, which may review the results and decide upon the certification. Approval of majority group members is required only in the cases of negative decision (denial of certification or decertification). Full member body can also serve as an appeal body against the decision of certification committee.

4.7.2.17 Prepare summary sheet with list of farmers declared certified with details of crops and expected quantity of produce.



4.7.2.18 Submit summary sheet to the FA with all other documents as required by FA. In case if data has already been up loaded by the Group on-line, then provide only the signed hard copy of the summary sheet.

4.7.2.19 On getting the approval from FA on-line the certificates can be printed directly from the website by Group Leader and distributed to the individual farmers taking farmer sing on true copy certificate issued.

4.8 Farmer Consumer Group (FCG)

Individual Farmer, Group of Consumers & Facilitating Agency are basic functional and decision making body under Parnanetra Organic PGS (Participatory Guarantee System). It is a Farmer Consumer Group of Consumers & Individual Farmer that lives in the same village or closes by villages (Taluka Level) and interacts regularly with each other. Facilitator will responsible for Participation of consumers or representatives of traders or retailers in the group and its functioning should be encouraged as it strengthens the integrity and trust. The Parnanetra Organic PGS Farmer Consumer Group function is even easier to add on to an existing group of farmers (for example Farmer Self Help Groups or Farmer Cooperatives Societies.)

4.8.1 Requirement and eligibility criteria for a Farmer Consumer Group

4.8.1.1 A Farmer Consumer group should comprise of minimum 1 farmer and 3 Costumer 1 member from facilitating agency total 5 members belonging to same village or close by villages with continuous territory (Taluka Level).

4.8.1.2 Adequate participation of women member shall be ensured.

4.8.1.3 At least few members of the group shall be well versed with the Parnanetra Organic PGS organic guarantee systems or certification system and National Standards of Organic Production (NPOP).

4.8.1.4 Member Farmer has to sign the Parnanetra Organic PGS pledge and group agreement with facilitator to adhere to the group specific vision, participatory approach and collective responsibility.

4.8.1.5 There is no restriction on the size of holding of any individual farmer.

4.8.1.6. Under Parnanetra Organic PGS organic guarantee system normally parallel production and part conversion is not allowed, therefore it is necessary that member farmer need to bring his entire farm under organic management as per the Parnanetra Organic PGS standards.

4.8.1.7 However, Facilitating Agencies in some cases may allow conversion in phases, but in any case the entire farm holding of the Member Farmer must be brought under Parnanetra Organic PGS organic management within 24 months of joining the Farmer Consumer Group. If a farmer under PGS group fails to convert his entire land holding within the stipulated 24 months' time, then he will not be eligible for Parnanetra Organic PGS Organic certification and shall continue to remain under conversion.

4.8.1.8 Have access to Parnanetra Organic PGS documents and preferably have access to computer and internet

4.8.1.9 Registered with Concerned Facilitating agency and have obtained necessary user ID and password to upload data on Parnanetra Organic website.

4.8.1.10 In case if Farmer Consumer Group is unable to operate on-line system of data up loading then the services can be availed from Facilitating agency .

4.8.2 Role and Responsibility of Farmer Consumer Group

4.8.2.1 Organize Farmer Consumer group and member farmer have to sing individually Parnanetra Organic PGS organic pledge and facilitator agreement.

4.8.2.2 Provide copies of Parnanetra Organic PGS standards, operational manual and appraisal forms to all the Farmer Consumer Group members in local language. If farmers are illiterate then they need to be explained details and standards orally and through pictorial representations.

4.8.2.3 Prepare necessary filed documents with individual farm history.

4.8.2.4 Elect Group leader and core team of peer reviewers (minimum 3 in 5 member group). There is no upper limit. It will be an optimal situation if all members of the group can participate in peer reviews, as this contributes to capacity building and information exchange between farmer and consumer member of group, and reduces conflicts of interests.

4.8.2.5 Participate in the activities of any other registered Parnanetra Organic PGS group to understand the functioning of the Farmer Consumer Group or Local Group. Implement standard requirements on the



farms of all the Member Farmer and obtain endorsement from the other registered group. This endorsement is needed only once at the time of registration.

4.8.2.6 The Farmer Consumer Group need to be approved and have to re register after every 3 years from date of Initial Registration is needed.. If there are repeated problems (missing paperwork, a random pesticide inspection turns up a problem, a random oversight inspection turns up a problem, etc.) THEN they could get disbanded, sanctioned and have to re-apply and could get re-entry only after taking necessary correction and thorough verification by FA.

4.8.2.7 Register the group on Parnanetra Organic PGS website and obtain registration approval from the Taluka Level Facilitating agency.

4.8.2.8 Obtain User ID and password from FA for time to time data up loading.

4.8.2.9 Organize time to time meetings and maintain attendance register. Participation of members in these meetings is a mandatory activity and is an indication of dedication of the member to the cause of groups guarantee scheme. There should be at least 6 times a year, compulsory meetings or more frequently as specified by the Facilitating agency and at key times of the year depending on the season, the crops, etc.

4.8.2.10 Every member need to attend at least 50% of the meetings in a year and sign in attendance register.

4.8.2.11 Advise each other and share information to improve the capacity of the group as a whole.

4.8.2.12 Member farmer have to participate in regular training courses organized by other groups, facilitator FA members or experts of other State Govt and Non-Govt agencies.

4.8.2.13 Chalk out peer appraisal strategy and ensure timely appraisal of format least Four Times in a year. Peer reviewers will ensure to complete Peer review appraisal form, sign and submit to the Facilitator. Member Farmers farm has to be apprised by at least three member of Farmer Consumer Group to increases the credibility and trust.

4.8.2.14 Inspection of peer reviewer's review of farm by another peer reviewer of consumer group or local group. To increase credibility and trust the group may have any number of peer reviewers.

4.8.2.15 Facilitator have to Organize final decision meeting explain the reviewer's results to all the members of Farmer Consumer group. To declare the group as conforming to Parnanetra Organic PGS standards.

4.8.2.17 Prepare summary sheet with list of farmers declared certified with details of crops and expected quantity of produce.

4.8.2.18 Facilitator has to Submit summary sheet to the FA with all other documents as required by FA. In case if data has already been up loaded by the Group on-line, then provide only the signed hard copy of the summary sheet.

4.8.2.19 On getting the approval from FA on-line facilitator have to print certificate directly from the website and handover to the individual farmer.

4.9 Farmer, Farm family

As in **Parnanetra Organic PGS**, part conversion and parallel production is not allowed, the entire family with its farm is to be converted to organic and covered under Parnanetra Organic PGS within the stipulated period. Any farm family willing to embrace organic methods of cultivation and become part of Participatory organic guarantee system, the first step in the process is to become part of Parnanetra Organic PGS group in the same village or in nearby village (Taluka Level)

4.9.1 Role and responsibilities of farm family

4.9.1.1 Develop an understanding of organic standards and participatory guarantee system. This can be done by obtaining the copy of Parnanetra Organic PGS standards and understanding it through reading, participation in Farmer Consumer Group/ Local group meetings and discussion with existing farmers.

4.9.1.2 Make sure that farm practices are compliant to the standards and Parnanetra Organic PGS norms

4.9.1.3 Fill farm history sheet, registration form and make a pledge that they understand organic system of cultivation and commit to adhere to the organic standards

4.9.1.4 Participate in appraisals, inspections of other farms in the local group

4.9.1.5 Participate in key field day trainings

4.9.1.6 Participate in Local Group / Farmer Consumer Group meetings and advise neighbors, share



information and improve the capacity of the group as a whole

4.8.1.7 Allow consumers Buyers visits of the farms.

5 Certification Process

5.1 Certification process with Farmer and Farm

5.1.1 Step 1

5.1.1.1 Farmer decides to embrace organic farming and willing to be a part of Parnanetra Organic PGS certification process

5.1.1.2 Reads or hear a summary of organic standards. For better understanding, participation in group meetings will be beneficial

5.1.1.3 Stops using all synthetic and chemical inputs on farm in dairy.

5.1.1.4 Undertake adequate measures for contamination control, habitat management, diversity and integration.

5.1.1.5 In case farmer is unable to bring his entire land holding and dairy under organic management at the time of entry to group, and then provide a time schedule in which farmer proposes to convert his entire holding to organic and obtain gradual conversion approval from group. In turn Group need to obtain approval of Facilitating agency.

5.1.1.6 Signs a Parnanetra Organic PGS pledge committing to adherence to standards

5.1.2 Step 2

5.1.2.1 Regularly participates in group meetings and key field day trainings

5.1.2.2 If possible maintain a farm and diary to list out farm operations. Illiterate farmers can take help of their literate sons or daughters or even the other literate members of the group.

5.1.2.3 Participate in peer appraisals of other farmers, first as shadow reviewer and then later as part of peer appraisal team.

5.1.3 Step 3

5.1.3.1 The farmer is appraised by a group of peers from the Farmer Consumer Group / Local group, at least Twice in every crop season. A minimum of Four (or more as per the decision of the group) peer reviewers must be present to sign and validate the appraisal form.

5.1.3.2 An external advisor or representative of trader, consumers, Taluka Agriculture Officer or a local State Agriculture Department Officer may be included.

5.1.3.3 To ensure consistent (i.e. complete but not overzealous) appraisals, all appraisals are scripted and include both physical checks of various parts of the farm and more importantly questions to make sure that the farmer understands the organic standards and they are complying to all the requirements

5.1.3.4 Literate member of the appraisal group makes sure that every point in the appraisal script is completed and checked off. At the end, all reviewers present must sign off as supporting references and endorse the farmer's organic guarantee.

5.1.3.5 Peer appraisals are done in the presence of the farmer or his family member and at the end of the inspection Peer appraisal sheet is also to be signed by the farmer.

5.1.4 Step 4

5.1.4.1 After inspecting all the members in a group, a decision is made by the group as a whole or by the certification committee about which farmers will and won't be certified in a given year.

5.1.4.2 Group prepares Farmer Consumer Group / Local group summary worksheet on-line and sends signed hard copy to the Facilitating agency.

5.1.4.3 On acceptance by FA, Group prints individual certificate and distribute to the farmers.

Note:

If a farmer has satisfactorily completed the 3 main requirements of being certified (Attendance at group meeting and field-trainings, Farmer's Pledge and Peer Appraisal) they will most likely be certified. Parnanetra Organic PGS is an inclusive system based on trust. This is different from a Third Party system where the farmer has to convince the certifier of his/her "innocence" with huge amounts of paper 'proof' as to his/her organic integrity.

In a small village, neighboring farmers know what happens on each other's farms, and these are the same neighbors empowered to make a final decision as to who is and isn't certified. A non-compliance by one



farmer could influence the certification status of the group as a whole, so for that reason (among others) neighboring farmers are more likely to:

- a. Deny certification to farmers known to be cheating
- b. Proactively share knowledge, materials and moral support with a struggling farmer so they don't feel to resort to use of prohibited substances
- c. Immediately apply reasonable sanctions to farmers for a non-compliance (for example temporary suspension of Certified Organic status but the farmer is still included in the Local Group)

There are ample evidences that the power of local social control is far greater than that welded by trained Third-Party inspectors who are outsiders and further visit only a few hours in a given year.

5.2 Certification Process by Farmer Consumer Group (FCG)

5.2.1 Step 1

5.2.1.1 Form a group comprising of minimum 5 member 1 Farmer + 3 Consumer + 1 member from Facilitator (belonging to close by villages with continuous territory in same Taluka).

5.2.1.2 Collect registration and farm history sheet from the member Farmer + Consumer registration with Adhar Card. (*Consumer Group has to use LG format for registration & certification*)

5.2.1.3 Obtain copies of Parnanetra Organic PGS Standards and Parnanetra Organic PGS operational documents from nearest FA and distribute to all the members. These documents can also be downloaded from Parnanetra Organic PGS website.

5.2.1.4 Convene the meeting of all the members and ask the Member Farmer to sign the pledge.

5.2.1.5 Prepare Farmer Consumer Group operational manual detailing requirement of documents to be maintained by farmer, peer appraisal methodology and checkpoints to be assessed, based on the broad guidelines of Parnanetra Organic PGS- norms

5.2.1.6 Ensure that Member Farmer have committed to convert his entire land holding to organic. In case if Member Farmer propose to convert his land in phases then draw appropriate strategies to distinctly separate such units with organic ones.

5.2.1.7 Register the group on-line on Parnanetra Organic PGS Website. In case if the group does not have access to computer and internet, then services of a local computer operator, internet cafe can be taken. Alternatively fill all the forms and submit to FA for uploading the information on Parnanetra Organic PGS website.

5.2.1.8 Enter into agreement with the Facilitator / FA for services to be availed on payment basis (as per mutual agreement).

5.2.1.9 Request FA to grant registration, user ID and password.

5.2.2 Step 2

5.2.2.1 Follow the Parnanetra Organic PGS guidelines on group meetings, key field trainings and knowledge sharing.

5.2.2.1 Farmer consumer Group members have to Keep vigil on member farmer's farm and if some non-compliance is noticed then inform member farmer during group meetings.

5.2.2.2 Ensure timely organization of training programs in collaboration with FA.

5.2.2.3 Invite practicing organic farmers and other local experts for problem so Managing management issues such as in nutrient management, pest management etc. during key trainings and group meetings.

5.2.2.4 Maintain attendance register for group meeting and key field trainings

5.2.2.5 If member farmer are using or propose to use off-farm inputs then verify their organic status, discuss in group meetings and endorse or prohibit their use. Use of such inputs without group's approval shall be treated as non-compliance.

5.2.3 Step 3

5.2.3.1 Chalk out peer appraisal schedule and constitute peer appraisal groups. Each group should have minimum 4 peer appraisers. Depending upon the number of farmers there can be any number of appraisal teams comprising of three or more members. At least one member in the appraisal team must be literate and well versed in filling the appraisal forms.

5.2.3.2 Individual Member Farmers field will review by other 3 members from Farmer Consumer Group.

5.2.3.3 Invite other group peer reviewers or representatives of consumer's, traders or local State Agriculture Department officer as invited member of the peer group. This may increase the trust and



credibility of the group Guarantee.

5.2.3.4 Complete peer review of the farm at least Twice in each season. Ensure that farm have been reviewed objectively.

5.2.3.5 Discuss review reports in the meetings and decide upon the organic status of each farm one

5.2.3.6 Review that all the requirements and consider Member farmer registered farm for grant of certificate.

5.2.3.7 Discuss about the non-compliance and depending upon the nature and gravity of non-compliances issue sanctions.

5.2.4 Step 4

5.2.4.1 Appraisal paper work is checked for completeness and a Farmer Consumer Group Summary Worksheet is prepared.

5.2.4.2 Group or certification committee decides on certification and declares certification status of Individual Member farmer.

5.2.4.3 Enter all details on-line in PGS website and send signed copy of the summary worksheet to the FA. Alternatively send all details in hard copy along with signed copy of summary sheet to FA for uploading the data into Parnanetra Organic PGS website.

5.2.4.4 Facilitating agency check details provided in hard copy or on-line. While deciding on approval FA takes into consideration surveillance report (if any done), complaints received, residue analysis report etc. FA cannot decide on inclusion or non-inclusion of specific farmers based on information provided, it can decide only on approval or non-approval of certification of the Farmer Consumer Group as a whole. On being satisfied, grants necessary approval on-line.

5.2.4.5 FCG prints certificate from Parnanetra Organic PGS website and delivered to individual farmer. Alternatively FCG requests FA to print the certificates and asked FA send the FCG Single farmer certificate to Individual Member Farmer

5.2.4.6 Individual Member farmer who have completed full conversion period without any major or serious non-compliance be declared as “Organic”.

5.2.4.7 Individual Member Farmer who have one or more major non-compliance or are under conversion period will be declared as “2nd year”, “1st year” or “Applied”.

5.2.4.8 Only the crops sown after joining the group, taking the Parnanetra Organic PGS pledge in conformity of Parnanetra Organic PGS standards and fully conforming to the Parnanetra Organic PGS standard requirements as per the recommendations of peer reviewers shall qualify for ‘under Conversion’.

5.2.4.9 Continuous advisory on same issue can shift the status of member.

5.3 Certification Process by Local Group (LG)

5.3.1 Step 1

5.3.1.1 Form a group comprising of minimum 5 farmers (belonging to close by villages with continuous territory in same Taluka).

5.3.1.2 Collect registration and farm history sheet from all the members.

5.3.1.3 Obtain copies of Parnanetra Organic PGS Standards and Parnanetra Organic PGS operational documents from nearest FA and distribute to all the members. These documents can also be downloaded from Parnanetra Organic PGS website.

5.3.1.4 Convene the meeting of all the members and ask all the members to sign the pledge.

5.3.1.5 Prepare Local Group operational manual detailing requirement of documents to be maintained by farmers, peer appraisal methodology and checkpoints to be assessed, based on the broad guidelines of Parnanetra Organic PGS- norms

5.3.1.6 Ensure that members have committed to convert their entire land holding to organic. In case if some members propose to convert their land in phases then draw appropriate strategies to distinctly separate such units with organic ones.

5.3.1.7 Invite already registered another Facilitating Agencies/ Farmer Consumer Group/ Local Group to verify the group formation and obtain necessary recommendations.



5.3.1.8 Register the group on-line on Parnanetra Organic PGS Website. In case if the group does not have access to computer and internet, then services of a local computer operator, internet cafe can be taken. Alternatively fill all the forms and submit to FA for uploading the information on Parnanetra Organic PGS website.

5.3.1.9 Enter into agreement with the FA for services to be availed on payment basis (as per mutual agreement).

5.3.1.10 Request FA to grant registration, user ID and password.

5.3.2 Step 2

5.3.2.1 Follow the Parnanetra Organic PGS guidelines on group meetings, key field trainings and knowledge sharing.

5.3.2.1 Keep vigil on neighboring farmer's farms and if some non-compliances are noticed then inform other group members during group meetings.

5.3.2.2 Ensure timely organization of training programs in collaboration with FA.

5.3.2.3 Invite practicing organic farmers and other local experts for problem so Managing management issues such as in nutrient management, pest management etc. during key trainings and group meetings.

5.3.2.4 Maintain attendance register for group meeting and key field trainings

5.3.2.5 If member farmers are using or propose to use off-farm inputs then verify their organic status, discuss in group meetings and endorse or prohibit their use. Use of such inputs without group's approval shall be treated as non-compliance.

5.3.3 Step 3

5.3.3.1 Chalk out peer appraisal schedule and constitute peer appraisal groups. Each group should have minimum 4 peer appraisers. Depending upon the number of farmers there can be any number of appraisal teams comprising of three or more members. At least one member in the appraisal team must be literate and well versed in filling the appraisal forms.

5.3.3.2 Reciprocal review between two member group farms is not allowed (i.e. A reviews the B and B reviews A).

5.3.3.3 Invite other group peer reviewers or representatives of consumer's, traders or local State Agriculture Department officer as invited member of the peer group. This may increase the trust and credibility of the group Guarantee.

5.3.3.4 Complete peer review of all the farms at least Twice in each season. Ensure that all farms have been reviewed objectively.

5.3.3.5 Discuss review reports in the meetings and decide upon the organic status of each farm one by one.

5.3.3.6 Segregate farmers who have fulfilled all the requirements and consider them for grant of certificate

5.3.3.7 Discuss about the non-complying farmers and depending upon the nature and gravity of non-compliances issue sanctions.

5.3.4 Step 4

5.3.4.1 Appraisal paper work is checked for completeness and a local Group Summary Worksheet is prepared.

5.3.4.2 Group or certification committee decides on certification and declares certification status of each group member.

5.3.4.3 Enter all details on-line in PGS website and send signed copy of the summary worksheet to the FA. Alternatively send all details in hard copy along with signed copy of summary sheet to FA for uploading the data into Parnanetra Organic PGS website.

5.3.4.4 Facilitating agency check details provided in hard copy or on-line. While deciding on approval FA takes into consideration surveillance report (if any done), complaints received, residue analysis report etc. FA cannot decide on inclusion or non-inclusion of specific farmers based on information provided, it can decide only on approval or non-approval of certification of the Local Group as a whole. On being satisfied, grants necessary approval on-line.

5.3.4.5 LG prints certificate from Parnanetra Organic PGS website and distribute to individual farmers.



Alternatively LG requests FA to print the certificates and send to Group leader for distribution.

5.3.4.6 Only the farmers which have completed full conversion period without any major or serious non-compliance be declared as “Organic”.

5.3.4.7 Farmers which have one or more major non-compliance or are under conversion period will be declared as “2nd year”, “1st year” or “Applied”.

5.3.4.8 Only the crops sown after joining the group, taking the Parnanetra Organic PGS pledge in conformity of Parnanetra Organic PGS standards and fully conforming to the Parnanetra Organic PGS standard requirements as per the recommendations of peer reviewers shall qualify for ‘under Conversion’. 3 continuous advisory on same issue can shift the status of member.

5.4 Certification Process by Facilitating agency

5.4.1 Step 1

5.4.1.1 Receive registration applications (on-line or off-line or in hard copy) of Local Groups (LG). Check details of individual farmer history. Check for other group recommendation or endorsement by Central/State Govt authorities.

5.4.1.2 Finalize working modalities and if required enter into some sort of agreement including payment of fee for services provided, If data uploading work is to be done by FA then finalize necessary modalities for the same.

5.4.1.3 Ensure that LG has brought their entire holdings under organic. In cases of gradual conversion verify the facts and on being satisfied, grant necessary approval with time frame.

5.4.1.4 On being found adequate and finalization of working modalities, agreement etc grant registration.

5.4.1.5 If data and application have been provided on-line then approve registration on-line and provide user ID and password on Parnanetra Organic PGS website.

5.4.1.6 If application is in hard copy or off-line then upload the information on website and grant registration with user ID and password.

5.4.1.7 Provide copy of Parnanetra Organic PGS standards and LG operational manual guidelines.

5.4.2 Step 2

5.4.2.1 Time to time organizes training programs and if possible participates in some of the group meetings or key field trainings of group.

5.4.2.2 Encourage and build the capacity of the group for on-line data management (may be through internet café)

5.4.2.3 If required undertake random surveillance on some groups for assessment of standards implementation and capacity of the Local Group

5.4.2.4 Receipt and redressal of complaints against the LGs and their functioning

5.4.3 Step 3

5.4.3.1. On receipt of entire data set and Local Group Summary Sheet, screen the details and on being found compliant to Parnanetra Organic PGS standards and norms approve grant of certification. Approval is to be issued on-line for printing of certificate at Local Group’s end.

5.4.3.2 FA needs to endorse the certification decision of the LG, if requirements have been met and there are no complaints, adverse residue testing report or adverse surveillance report etc.

5.4.3.3 In case of Non-approval, reasons must be communicated in writing with justification.

5.4.3.4 The FA needs to decide on certification request within 15 days from the date of uploading the LG-summary sheet or submitting the hard copy of the group decision to FA..

5.4.3.5 If FA fails to endorse the decision of the LG or otherwise within 15 days then ZC need to intervene and decide the issue within next 7 days.

5.4.3.6 In case if ZC also fails to intervene and decide in time then the group can approach PGS Secretariat for decision.



5.4.3.7 Note that the Facilitating agency does *not* make a decision to include or not include specific farmers based on the information provided. They can only approve or not approve the certification of the Local Group as a whole.

5.4.3.8 One example where this might apply would be if the Facilitating agency has a concern about Farmer X (for example because of a random pesticide residue test result) but the Local Group continues to list that farmer as Certified Organic with no sanctions and no explanation, the Facilitating agency may rightly be concerned and withhold certification approval of all farmers in the Local Group.

5.4.3.9 Another example could be that the Facilitating agency feels that some individual farmers' Peer Appraisals were faked or handled in a sloppy fashion.

5.4.3.10 While the Facilitating agency cannot hold-up the certification status of those specific farms, they can and **SHOULD** withhold certification approval from the Local Group as a whole.

5.4.3.11 Although the individual farmer is part of a Group Guarantee process, the Organic Certificate and identification number is given to them individually.

5.4.3.12 As like with Third Party Group Certification, there is requirement of common point of sale, and if farmer want to sale organic produce individually then famer have to get permission from Group certification committee. Farmer has to pay charges of registration to Parnanetra Organic PGS, Secretariat as per applicable charges for Farmer Consumer Group. Then farmer may sell to whomsoever they wish separately Individual Farmer member of Farmer Consumer Group...

5.4.3.13 For sales that are not local and direct to consumers, a system to maintain integrity through the chain of custody as well as to give consumers more confidence and immediate feedback about batches requires that the *code number for each Local Group* appears on every bag/batch shipped through non-direct sales channels.

5.4.3.14 In case if the group has no access to internet and computer The Facilitating agency enters summary information for every local group into a Parnanetra Organic PGS website database and sends a paper certificate certifying the *individual farm*.

5.4.3.15 Each farmer's certificate has an individual unique identification code (UID) that includes codes for both the Local Group and the Facilitating agency.

5.4.3.16 All issued certificates bear unique ID (UID) code for traceability and access to the entire information on production system, peer appraisal and decision system of the group.

5.4.4 Step 4

5.4.4.1. Parnanetra Organic PGS secretariat also under take independent surveillance and communicate results to FA through website.

5.4.4.2 A small percentage of farms products are randomly selected for random pesticide residue testing each year and the results are placed on the website. Adverse results on both counts may impact the Certification status of the Local Group as a whole.

5.4.4.3 Pesticide Residue testing is coordinated by the Parnanetra Organic PGS secretariat but it is the Facilitating agency and the Local Group that has to decide what to do about a positive result.

5.4.4.4 The Facilitating agency provides Local Groups with non-compliance guidelines, but cannot apply those guidelines to an individual farmer.

5.4.4.5 **ONLY** the Local Group /Farmer Consumer Group can sanction the individual farmers. The Facilitating agency can only suspend the certification of the entire Local Group/ Farmer Consumer Group .

5.4.4.6. In Parnanetra Organic PGS have a system of transaction certificate and traceability is ensured up to registered operator under Parnanetra Organic PGS System (or till it is in the custody of the group, registered processors, registered organic trader, Facilitating Agency)



5.5 Verification of Certification by Consumers

5.5.1 Parnanetra Organic PGS website will be the database for the entire program.

5.5.2 To make the system transparent entire data base will be kept in public domain. Even the surveillance reports and residue analysis reports will also be made available on the website. **5.5.3** Consumers or public will be able to access the summary reports of LG, details of groups, products being offered by each group and their certification status.

5.5.4 The information in respect of farmers, groups which have lost their certification will be available on the website for a period of at least 5 years after the loss of certification status occurred.

5.5.5 With access to unique ID code of particular product, consumers will be able to access the entire information on the group in respect of past history, cultivation practices and peer appraisal reports etc.

5.4.6 Consumers will be able to know the certification status of the product in question with origin of the produce through SMS based internet traceability system.

5.6 Grant of Logo and unique certificate ID code

5.6.1 On getting the certification approval from the Facilitating agency Local Group can print individual certificates from Parnanetra Organic PGS website and can use the Parnanetra Organic PGS logo on packets or containers of Parnanetra Organic PGS certified products.

5.6.2 Individual farmer certificate will have a unique ID code, identifying the FA, Local Group and the farmer.

5.6.3 Each certificate will also list out the area, crops and products certified during the year as Annexure. Details in respect of quantity of each produce shall be available on Parnanetra Organic PGS Website.

5.6.4 The validity of the Scope certificate shall be 12 months from the date of decision of the group. On submission of subsequent summary sheet a new certificate will be granted with fresh 12 month validity from the date of last certification decision by the group as approved by the FA and so on.

5.6.5 Logo on the product is required to be printed with the unique ID code.

5.6.6 Consumers can access the entire information about the group, individual farmer's details regarding its certification status, production practices, peer appraisals, surveillance reports etc by entering this unique ID code in Parnanetra Organic PGS website.

5.7 Separate logo for PGS Organic and PGS under conversion status.

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

			
Parnanetra Organic Logo	1 st Year Conversion Logo	2 nd Year Conversion Logo	3 rd Year Conversion/ Organic

5.8 Conditions for use of logo

5.8.1 Parnanetra Organic PGS certified products can be labeled with Parnanetra Organic PGS logo along with unique ID code provided on the certificate only when they are packed under the supervision of either Local Group or by the certificate holder farmer himself.

5.8.2 In case if packing is done away from the farm at some pack house then also the group need to ensure that it is done in their supervision and all precautions are taken to prevent the product from co-mingling.

5.8.3 Logo is to be used only on quantity certified as per the details provided to the FA and placed on the Parnanetra Organic PGS website.



5.8.4 Use of logo without unique ID code is not allowed

5.8.5 Separate logos need to be used for organic and in-conversion products

6 Parnanetra Organic PGS Standards for Organic Production

6.1 General Requirements

6.1.1 Habitat Management

6.1.1.1 Habitat management is an important part of organic management system and forms the first step towards organic conversion.

6.1.1.2 To ensure proper living conditions for all living beings, steady supply of green material for manuring and to create diversified plant stand it is essential that diversified plants, trees etc. are planted on bunds and other non-cultivated area of the farm

6.1.1.3 Adequate space may be provided for plantation of nitrogen fixing trees.

6.1.1.4 Nitrogen fixing tree hedge not only act as biological fence but also ensure steady supply of biologically fixed nitrogen and other nutrients drawn from deeper layers of soil.

6.1.1.5 These plants also provide home and shelter to friendly insects and birds.

6.1.1.6 If required rain water harvesting pits and farm ponds can also be created.

6.1.2 Diversity

6.1.2.1 Diversity in crop production is second most important step of organic management which not only helps in management and control of pests and diseases but also ensure balance nutrition of the soil.

6.1.2.2 Diversity can be achieved by a combination of mixed cropping, intercropping, relay cropping & rotation with legumes. Use of trap crops and barrier crops also add to the diversity.

6.1.3 Integration of Animals

As successful organic farming depend upon continuous supply of dung and urine of cow and efforts should be made to integrate crop production.

6.1.4 Conversion period

6.1.4.1 The time taken for a farm to comply with the Parnanetra Organic PGS organic standards is defined as the conversion period. In other words, it is the time required by the conventional farm to attain full Parnanetra Organic PGS organic status.

6.1.4.2 The whole farm including the crop production and animal husbandry shall be converted to organic management. Parallel or part conversion is not allowed under Parnanetra Organic PGS organic management.

6.1.4.3 For newly acquired fields or fields managed conventionally, the conversion period shall be not less than 24 months in case of seasonal and annual crops while it shall be not less than 36 months in case of perennial and permanent crops from the last date of use of prohibited inputs or from the date of taking the pledge, whichever is later.

6.1.4.4 However, Facilitating agencies in some cases may allow conversion in phases, but in any case the entire farm holding of the group members must be brought under PGS organic management within 24 months of joining the group.

6.1.4.5 Duration of conversion period can be reduced to 12 months if no prohibited substances have been used since last three years and all the members in the group are fully satisfied with past history of no synthetic input use and collectively declare so.

6.1.4.6 Conversion period for animal products shall be not less than 12 months provided they are fed with fully organic feed and fodder and all the members of group are satisfied that the standard requirements have been met since last 12 months.

6.1.4.7 In case of existing ICS groups (under NPOP) or members of such groups joining Parnanetra Organic PGS, their certification status, as granted by accredited certification body and valid at the time of joining Parnanetra Organic PGS shall continue, provided the group, members meets all other requirements of Parnanetra Organic PGS and have necessary



documents to prove their claim to the full satisfaction of other group members (if they join an existing group) or FA (if they join as independent group).

6.1.5 Contamination control

6.1.5.1 All organic production units shall have effective measures to check accidental contamination with prohibited substance through drift or water flow.

6.1.5.2 All organic farms shall be either protected with biological fence (hedge/hedge rows etc.) or maintain a buffer zone.

6.1.5.3 Organic farms also need to be protected from contaminated water flow from adjoining non-organic fields. This can be achieved by putting appropriate bunds and escape channels.

6.1.6 Soil and Water conservation

6.1.6.1 Relevant measures should be taken to prevent erosion, salination of soil, excessive and improper use of water and the pollution of ground and surface water.

6.1.6.2 Clearing of land through the means of burning organic matter, e.g. slash-and burn, straw burning shall be restricted to the minimum. The clearing of primary forest is prohibited.

6.2 Standard Requirements for Crop Production

6.2.1 Selection of seed and planting material

6.2.1.1 Seeds & planting material varieties should be well adapted to the soil, climatic conditions, suitable for organic management, resistant to pests and diseases & preferably of organic origin.

6.2.1.2 In case organically grown seeds are not available then, chemically untreated conventional materials shall be used.

6.2.1.3 The use of genetically engineered seeds, pollen, transgenic plants or planting material is not allowed.

6.2.2 Fertilization

6.2.2.1 On-farm biodegradable material of microbial, plant or animal origin shall form the basis of fertilization policy.

6.2.2.2 Green manuring, inter Cropping or crop rotation with legumes shall be the integral part of cropping system planning.

6.2.2.3 Off-farm Biodegradable material of microbial, plant or animal origin can also be used provided it is ensured that no prohibited substances have been used in their preparation.

6.2.2.4 Microbial preparations such as bio-fertilizers, biodynamic preparations, EM solutions,

6.2.2.5 Homoeopathic & Ayurvedic preparations, etc. can be used.

6.2.2.6 Off-farm/industry produced inputs approved by NPOP accredited certification body or

6.2.2.7 Approved Inputs by Parnanetra Organic PGS -NAC can be used without further approval of the group.

6.2.2.8 Mineral fertilizers shall be used in their natural powdered form as supplementary source of nutrients.

6.2.2.9 Use of synthetic fertilizers is strictly prohibited in any form, directly or indirectly.

6.2.3 Pest, Disease and Weed Management including Growth Regulators

6.2.3.1 Selection of pest resistant varieties, suitable rotations, green manures, balanced fertilization, early planting, mulching, cultural, and mechanical and biological control measures (including use of insect pest parasites and predators), disturbance in pest life cycles and ensuring survival of pest enemies should form the basis of pest management program.

6.2.3.1 Thermic weed control or thermic sterilization of soils can be resorted to only when it becomes absolutely necessary.

6.2.3.1 Microbial pest control formulations such as bio pesticides can be used.

6.2.3.1 On- farm fermentation products and botanical extracts can also be used.

6.2.3.1 Off-farm microbial or botanical preparations, Homoeopathic & Ayurvedic preparations can also be used provided it is ensured that such products are approved By Parnanetra Organic



PGS -NAC can be used without further approval of the group.
6.2.3.1 Use of synthetic herbicides, fungicides, insecticides and other chemical preparations including synthetic plant growth regulators and synthetic dyes are strictly prohibited. Uses of genetically engineered organisms or products are also prohibited
6.2.4 Equipment, implements and storage containers
6.2.4.1 All farming equipment, implements and tools etc. must be washed and cleaned before use on the organic farm.
6.2.4.2 Bags and containers used to harvest, store and transport organic produce must be clean.
6.2.4.3 Free from any chemical contamination and should not have been used for storage of conventional produce.
6.2.4.4 All such containers and bags shall be clearly labeled “Organic Only”.
6.2.5 Storage and Transport
6.2.5.1 Organic Products must be protected at all times from co-mingling with non-organic products.
6.2.5.2 Use of synthetic or chemical storage pesticides/ fumigants are prohibited.
6.2.5.3 Natural and traditional ways and means for storing organic produce are allowed.
6.2.5.4 Use of carbon-di-oxide, nitrogen or any other such inert gas is permissible.
6.3 Standard requirement for Animal Production
6.3.1 Conversion requirements
6.3.1.1 The whole farm should be converted to organic within the specified conversion period.
6.3.1.2 Part conversion or parallel production is not allowed under Parnanetra Organic PGS after 24 months.
6.3.1.3 The minimum conversion period for all animals except poultry shall be not less than 12 months.
6.3.2 Rearing environment
6.3.2.1 The management of animal environment shall ensure free movement, sufficient access to fresh air, day light, water, lying and resting place.
6.3.2.2 Protection against excessive sunlight, rain and wind etc.
6.3.3 Breeds and breeding
6.3.3.1 Breeds should be chosen which are adapted to local conditions.
6.3.3.2 Breeding goals should not be at variance with the animal’s natural behavior and should be directed towards good health.
6.3.3.3 Reproduction techniques should be natural. Artificial insemination is allowed.
6.3.3.4 Hormonal heat treatment and induced births are not allowed, unless applied for medical reasons under veterinary advice.
6.3.4 Animal Nutrition
6.3.4.1 The Animals should be fed 100% organically grown feed of good quality.
6.3.4.2 All feed shall come from the farm itself or be produced on the farms of other group members or have been harvested from wild where no prohibited substances have been used.
6.3.4.3 Products from the organic feed processing industry shall be used.
6.3.4.4 Coloring agents shall not be used in organic milk production.
6.3.5 The following products not included to the feed given to farm Animals:
6.3.5.1 Synthetic growth promoters or stimulants
6.3.5.2 Synthetic appetizers
6.3.5.3 Preservatives, except when used as a processing aid
6.3.5.4 Artificial coloring agents
6.3.5.5 Urea



- 6.3.5.6** Farm animal by-products (e.g. abattoir waste) to ruminants
- 6.3.5.7** Droppings, dung or other manure (all types of excreta) even if technologically processed
- 6.3.5.8** Feed subjected to solvent (e.g. hexane), extraction (soya and rape seed meal)
- 6.3.5.9** Feed prepared with the addition of other chemical agents
- 6.3.5.10** Pure amino acids
- 6.3.5.11** Genetically engineered organisms or products thereof
- 6.3.5.12** Vitamins, trace elements and supplements shall be used from natural origin when available in appropriate quantity and quality.
- 6.3.5.13** Veterinary Medicine
- 6.3.5.14** The well-being of the animals is the primary consideration in the choice of illness treatment. Natural medicines and methods, including Homeopathy, Ayurvedic, Unani medicine and acupuncture, shall be emphasized.
- 6.3.5.15** The use of conventional veterinary medicines is allowed when no other justifiable alternative is available.
- 6.3.5.16** Where conventional veterinary medicines are used; the withholding period shall be at least double the legal period.
- 6.3.5.17** Use of the following substances is prohibited:
- 6.3.5.18** Synthetic growth promoters
- 6.3.5.19** Substances of synthetic origin for production, stimulation or suppression of growth.
- 6.3.5.20** Hormones for heat induction and heat synchronization unless used for an individual animal against reproductive disorders, justified by veterinary indications
- 6.3.5.21** Vaccinations shall be used only when diseases are known or expected to be a problem in the region. Legally required vaccinations are allowed. Genetically engineered vaccines are prohibited.

6.3.6 Standard Requirement for Bee Keeping

- 6.3.6.1** As bee keeping is considered a part of animal husbandry, general principals of animal husbandry shall also apply on bee keeping. In addition following requirements shall also be met:
- 6.3.6.2** Bee hives shall be made of natural materials free from toxicity.
- 6.3.6.3** Bee hives shall be placed in organically managed farms and! Or wild natural areas, away from the fields or areas where prohibited substances have been used.
- 6.3.6.4** Veterinary medicines, Antibiotics shall not be used in bee keeping and no repellents consisting of prohibited substances be used when working with the bees.
- 6.3.6.5** For pest and disease control and for hive disinfection use of caustic soda, lactic, oxalic, acetic, formic acids, Sulphur and Bacillus Thuringen's is are allowed.

6.4 Standard Requirements for Food processing, Handling and Storage

6.4.1 General requirement

- 6.4.1.1** Any food processing, handling & storage of organic products, on-farm or off-farm or under hired facilities away from the farm can be certified under Parnanetra Organic PGS, provided the entire operation is carried out under the supervision of Parnanetra Organic PGS and the items/ materials to be processed are the direct produce of the Parnanetra Organic PGS group.
- 6.4.1.2** If required many Parnanetra Organic PGS groups can registered with FA for collective processing, handling and storage.
- 6.4.1.3** Necessary guidelines for handling of products from different groups will be laid down by the concerned FA.

6.4.2 Storage

- 6.4.2.3** Organic products shall not be stored and transported together with inorganic products unless they are properly packed and labeled and physically separated from each other with no chances of contamination or co-mingling.



6.4.2.2 Control measures should ensure that organic products do not come in contact with the inorganic products and prohibited substances during storage, transportation and processing.

6.4.2.3 No synthetic preservatives, fumigants or storage aid shall be used. Use of controlled temperature, cooling, freezing, drying, humidity control through mechanical means and fumigation with nitrogen or carbon-di-oxide gas is permitted. Ethylene gas is permitted for ripening.

6.4.3 Ingredients, additives and processing aids

6.4.3.1 All ingredients and additives of agriculture origin shall be Parnanetra Organic PGS

6.4.3.2 Water and salt may be used without any restriction.

6.4.3.3 For the production of fermentation / microbiological products the medium shall be composed of organic ingredients.

6.4.3.4 Microbial formulations for use as inoculants in such processes can be used.

6.4.3.5 In cases where ingredients of organic agriculture origin are not available or some ingredients of non-agriculture origin are to be used then the guidelines provided under NPOP be followed and the quantity of such non-agriculture additives should not exceed 5% of total dry weight (excluding water and salt) of the raw material.

6.4.3.6 Use of genetically modified organisms or their products are prohibited

6.4.3.7 Minerals, vitamins and similar other ingredients of chemical origin shall not be used.

6.4.4 Processing

6.4.4.1 All processing equipment and machinery should be properly washed and made contamination free before using for organic processing.

6.4.4.2 All processing equipment and filtration aids shall be free from contamination and shall not release any substance that may negatively affect the organic integrity

6.4.4.3 Measures should be in place to prevent co-mingling and contamination of organic produce with non-organic.

6.4.4.4 Services of NPOP certified processing units can be availed.

6.4.4.5 Processes approved under Parnanetra Organic PGS organic is: mechanical and physical, biological, smoking, extraction, precipitation and filtration.

6.4.4.6 Extraction shall be done with water, ethanol, plant and animal oils, vinegar, carbon-di-oxide, nitrogen or carboxylic acids. All such Solvents Extraction liquid shall be of food grade.

• Irradiation is not allowed

6.4.5 Packing and Labeling

6.4.5.1 Packing material should not affect the organic character of the product

6.4.5.2 The description of the Parnanetra Organic PGS group with PGS logo and unique ID code shall be clearly printed.

6.4.5.3 Single ingredient products may be labeled as “PGS-Organic” when all standard requirements have been met and the produce has been declared PGS-organic.

6.4.5.4 Parnanetra Organic PGS In-conversion products may be labeled as 1st Year / 2nd year Parnanetra Organic PGS” when all standard requirements for declaring the Local PGS group under PGS In-conversion have been met and the produce has been declared as Green Visio India PGS-1st Year / 2nd year.

6.4.5.5 In case of mixed processed products if minimum of 95% ingredients is Parnanetra Organic PGS-organic the product may be labeled as Parnanetra Organic PGS-Organic. If proportions of organic ingredients are between 95 and 70% the products can be labeled as ‘Made with Parnanetra Organic PGS-organic ingredients’.

6.4.5.6 Local groups/Farmer Consumer Groups, Trader and processors register under Parnanetra Organic PGS are allowed to use Parnanetra Organic PGS Logo on the products, produced, processed and packed under their supervision.



Annexure I

Application form for entry into PGS Local Group

To							
The Group Convener/Leader							
PGS Local Group							
Village-		Taluka		District		State	
<p>Sir /Madam</p> <p>I am willing to undertake organic crop cultivation and milk production as per PGS standards and want to become a member of your Parnanetra Organic PGS local group for PGS organic guarantee program.</p> <p>Necessary details of my family and farm, past history of production and inputs use and animals are enclosed herewith in the prescribed format.</p> <p>I have obtained a copy of Parnanetra Organic PGS Standards and Local Group operational manual and I undertake to adopt these standards on long term basis.</p> <p>I also undertake to participate in all the activities of Parnanetra Organic PGS Local Group including regular participation in group meetings, key field day training programs and peer appraisals of farms of other members of the group.</p> <p>I undertake to abide by the rules and regulations of the Local Group and follow all directives.</p> <p>I undertake to abide by the collective decisions of the Group.</p> <p>On being formally inducted I undertake to sign the Parnanetra Organic PGS organic pledge and follow it in letter and spirit.</p>							
Name							
Address				Signature of Farmer Date			
For Use by Local Group Office							
Application No in sequence							
Placed before the LG executive on Dated for approval							
Assigned Membership Code Signature of Local Group Leader							
Accepted as LG member Yes / No							



Annexure II

Farm History Sheet

Sr. No	Particulars	Details					
1	Name of Farmer						
2	Father's/ Husband Name						
3	Number of members in the family and name						Relation
3.1							
3.2							
3.3							
3.4							
3.5							
4	Total area of the farm in acres with plot No						
4.1	Village		Taluka		District		
5	Attach rough sketch of farm layout with location of utilities, facilities, trees and other permanent structures etc.						
6	Last date of use of prohibited substances						
7	Crop and Input use history for past three years						
Years	Season	Crops Taken	Fertilizer Inputs Used		Plant Protection Inputs Used		
			Name	Quantity	Name	Quantity	
8	Whether soil testing and water testing has been done in past, if yes then attach reports						
9	Irrigation facilities	Open Well		Tube wel		Canal	Lake
10	Availability of machines, tools, tractors			Tractor		Trolley	Thrasher
11	Details of animals and past three years history.						
	Name of cattle	Number	Details of feed & fodder provided			Details of medicines! hormones	
12	Contamination control measures taken! proposed (such as buffer zone and						



	prevention of water flow from non-organic fields			
13	Storage facilities available			
14	Details of on-farm input production facilities (available and proposed both)			
15	Any post-harvest processing facility available or not. If no facilities are available then how they will be arranged			
16	If whole farm is not brought/offered for organic, then give plan and time schedule for converting whole farm to organic in a phased manner			
	First Year		Second Year	
17	I hereby declare that the information provided above is true to the best of my knowledge and belief and I have not hide any information which may adversely affect my organic status in future.			
Name of Farmer			Signature	
Place			Date	
The information provided above seems to be true and the farmer can be trusted				
Signature by other farmer already member of the group				
Name of Farmer			Signature	
Name of Farmer			Signature	
Name of Farmer			Signature	
Place			Date	



Annexure III

Organic Farmer's Pledge

I _____ son / daughter/wife of _____ of
Village _____ **Taluka** _____ **District** _____ **State** _____
hereby declares on _____ **day of month** _____ **year** _____ **that:**

1. I will follow the PGS organic standards in crop and milk production. Processing to ensure synthetic input free production system for the long term sustainability. Health and wellbeing of soil, environment, crops, animals, my family and community. I have received a copy of Parnanetra Organic PGS standards and Local Group operational manual.
2. I will not use any synthetic input (such as chemical pesticides, insecticides, herbicides, fungicides, chemical fertilizers, growth regulators and synthetic hormones etc) in any form directly or indirectly in my farming operations brought under Parnanetra Organic PGS program.
3. I commit to bring my entire farm operations including dairy under organic (or within a period of 24 months)
4. I will check with the Local Group before using any off-farm product that I am unsure of its organic status.
5. I will work with my fellow farmers in the Local Group and attend meetings and trainings to expand and share my knowledge of the standards and organic production techniques.
6. I will work to build the soil through ecologically sustainable farming practices such as crop rotations, composting, cover crops and green manures.
7. I will care for my animals in ways that ensures their well-being in full compliance of Parnanetra Organic PGS organic standards.
8. I will only use bags and containers that are clean and clearly labeled 'organic only' to harvest, transport and sell our organic products.
9. I will work to prevent contamination by suitable buffers and other means.
10. I will encourage biodiversity through my farming system.
11. I will sell products as Organic only when they are grown on certified land, and have been grown in accordance with Parnanetra Organic PGS organic standards.
12. I will ensure that on the farm during Storage, Processing, Transport and Sale there is no contamination or mixing of organically grown with non-organically grown produce.
13. I agree to accept the decision of the Local Group in regards to my certification status.
14. I will participate in appraisals on other farms as per group norms.
15. I will report even minor or unintentional non-compliances to the organic standards on my farm to my Local Group

I hereby further declare that the information I have provided in the application and farm history sheet is true to the best of my knowledge. I also hereby declare that during peer appraisal I will fully cooperate with the peer reviewers and provide true information to the best of my and my family's knowledge and I will keep my information up to date with any changes occurred during the process.

Name of Farmer											Signature of Farmer
Land Survey No					Hectors						
Mobile No											
Place					Date						



Annexure IV

Format for proceedings and attendance Register for Key Field Day Trainings

PGS Local Group Name					
Total number of members					
Date and time of weekly meeting					
Important issues discussed and planning done (if any)					
Number of peer appraisals completed since last meeting					
Peer appraisals planned for next two months					
Proposal for any input approval or query on problem solving (give brief)					
Any other specific issue raised and discussed					
Sr. No	Name of Member			Signature	
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
Name Signature of member presiding the meeting.				Signature	
Name-					
Place		Date			



Annexure V

Format for proceedings and attendance Register for Key Field Day Trainings

Name of PGS Local group			
Number of members			
Location of training			
Date of training and time with total duration			
Subject and theme of training			
Expert persons invited			
Training was organized in collaboration of whom			
Brief description of issues discussed			
Sr. No	Name of Member	Signature	
01			
02			
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			
Name Signature of member presiding the meeting.		Signature	
Name-			
Place	Date		



Annexure VI

Peer Inspection/Appraisal Worksheet

<i>Peer Appraisal sheet for Season Year</i>		<i>Season</i>		<i>Year</i>	
<i>Local Group Name</i>					
<i>Local Group Code No</i>					
<i>Name of peer Appraisers with their member code</i>					
<i>Sr. No</i>	<i>Name of Farmer</i>	<i>Member Code</i>	<i>Mobile No</i>		
1					
2					
3					
4					
5					
<i>Status of farmer as per last appraisal</i>					
<i>Area of farm</i>		<i>Hectares</i>			
<i>Is there any change on farm in area or infrastructure</i>					
<i>Is there any change in animals position</i>					
*During peer appraisal presence of at least one member of the family who is well versed with the Parnanetra Organic PGS program is a must requirement. In the absence of any representative appraisal cannot proceed.					
2	<i>Background Information</i>				
3	<i>Are you satisfied that since taking</i>				
Farmers details					
<i>Sr.No.</i>	<i>Component</i>				
1.	<i>Farmers Name</i>				
2	<i>Name of family member present during inspection*</i>				
3	<i>Date of Inspection</i>				
<i>Component</i>		<i>Observation Status of NC*</i>			
1. Date of last use of prohibited substances					
2. Since how many months farmer is doing organic					
3Farmer is not using any synthetic inputs					
4. Whether farmer has adopted some measures to improve habitat If yes please provide details. If not then advise improvement					
5. How diversity is being maintained Explain the measures initiated since last inspection or after taking pledge					
6. If under conversion period, then what is the exact period of conversion on the date of inspection					
7 Are you satisfied that conversion requirements					



<i>are being met</i>				
8. Do you feel any need for reduction in conversion period? If yes then specify reasons and evidences				
9. Buffer zone is being maintained or not? If yes then specify that are you satisfied with the buffer zone If not then advise (but this advice is applicable in conversion period only). Non-maintenance of buffer zone after conversion period becomes non-compliance				
10 Are you satisfied that adequate measures have been taken to prevent contamination from water flow				
11. What is souFAe of irrigation? Does it meet the requirements of Parnanetra Organic standards				
12. Specify if any soil and water conservation methods have been adopted. If not please advise (it is a continuous process)				
13 Are you satisfied that the farmer is well acquainted with Parnanetra Organic PGS organic standards and protocols?				
<p><i>Status of non-compliance – In case the nature of deficiency or non-compliance is not threatening the organic integrity; it should be rated as A (advisory). If it is threatening organic integrity it should be rated as M (Major non-compliance). If it is of serious nature and a gross violation it should be rated as Serious (S). Major NC reverts the organic status of farmer into in-conversion and Serious (S) NC necessitates sanction (such as suspension, expulsion or reversion of status to register). Three Advisory (A) on particular issue in three consecutive appraisals turns into Major (M) non-compliance and threatens certification status. Full compliance is indicated as 'C'.</i></p>				
Sr. no	Item	Comment	Status	NC*
1	Seed and planting material			
1.1	a. Organic or conventional			
1.2	If conventional whether chemically treated (CT) or not (NT)			
1.3	c. Genetically modified (GMO) or not (Non-GMO) Are you satisfied that seed and planting material meets Parnanetra Organic PGS standards.			
2	List on-farm manures used and quantity. Are you satisfied that they meet Parnanetra Organic PGS Standards?			
2.1	List any off-farm puFAhased input used. If yes then give details Whether it was approved by group or not.			
2.2	Does input is approved under NPOP/ Parnanetra Organic PGS Standards by any agency (give detail)			
2.3	Are you satisfied that fertilization process and inputs meets Parnanetra Organic PGS Standards?			



3	Weed management practices adopted .Are you satisfied that weed management meets Parnanetra Organic PGS Standards.			
4	Provide details on plant protection measures			
4.1	a. On-farm measures			
4.2	b. Off-farm inputs Whether off-farm inputs were approved by group or not Whether off-farm inputs are approved under NPOP by any agency (give details)Are you satisfied that pest management process meets the requirement of Parnanetra Organic PGS standards			
5	Whether equipment and tools used are properly washed for use in organic farming			
6	Where containers used for storage of organic produce meets Parnanetra Organic PGS standards			
7	Are you satisfied that requirements of storage, containers, bags etc. meet Parnanetra Organic PGS standards			
8	Whether animals are being treated in proper manner and provided with adequate facilities			
9	Whether animals are being fed with organic feed and fodder			
10	Are you sure that no prohibited substances are being fed to animals			
11	Give details of veterinary medicines given and vaccinations			
12	Are you satisfied that veterinary medicines meet the Parnanetra Organic PGS standards and were given only in emergency? Give details of with-holding period after medication.			
13	Are you satisfied that all requirements for animal production have been met as per Parnanetra Organic PGS standards?			
14	Beekeeping • Are you satisfied that bee hives and boxes meet the standards requirement • Are you satisfied that the bee boxes have been placed under organic management! wild natural fields • Are you satisfied that no prohibited substances have been used in bee rearing or handling			



	<i>Are you satisfied that all standard requirements for Bee keeping <u>have been met Parnanetra Organic PGS Standards.</u></i>				
<p><i>Status of non-compliance – In case the nature of deficiency or non-compliance is not threatening the organic integrity; it should be rated as A (advisory). If it is threatening organic integrity it should be rated as M (Major non-compliance). If it is of serious nature and a gross violation it should be rated as Serious (S). Major NC reverts the organic status of farmer into in-conversion and Serious (S) NC necessitates sanction (such as suspension, expulsion or reversion of status to register). Three Advisory (A) on particular issue in three consecutive appraisals turns into Major (M) noncompliance and threatens certification status. Full compliance is indicated as “C”.</i></p>					
	<i>Production details</i>				
<i>Sr. No</i>	<i>Name of Crop</i>	<i>Variety</i>	<i>Season</i>	<i>Hector</i>	<i>Yield per Ha</i>
	<i>Inspection summary and recommendations</i>				
	<i>Although the peer review team does not make the final decision on certification but now that the inspection is over, what would you recommend?</i>				
	<i>Full Conversion</i>				
	<i>In Conversion Certification 2nd Year</i>				
	<i>In Conversion Certification 1st Year</i>				
	<i>Farmer should make listed improvements and apply for certification next year.</i>				
	<i>Date of peer appraisal</i>				
	<i>How long did the peer appraisal take</i>				
	<i>Who was responsible for filling in the peer appraisal worksheet</i>				
	<i>Name, Signatures and Date of all peer-appraisers present at this inspection</i>				
<i>Sr. No</i>	<i>Name of Peer Appraisers</i>		<i>Signature of Peer Appraisers</i>		
<i>1</i>					
<i>2</i>					
<i>3</i>					
<i>4</i>					
<i>5</i>					
<i>Place</i>			<i>Date</i>		



Annexure VII			
Peer Inspection/Appraisal Worksheet for Processing and Handling			
Peer Appraisal sheet for Year			
Type of processing			
Details of processing and processing facility			
On-Farm, Off-Farm or Hired Facility	On Farm	Owned	Hired
	Off- farm	Owned	Hired
Facility owned by			
Details of other processing activities on premises			
Name of peer Appraisers with their	Member code	Mobile No	
1.			
2.			
3.			
4.			
5.			
1. Local Group details Component			
Group Name			
Group Code			
Details of organic produce to be processed with quantity Proportion of various ingredients to be used including water salt and other non-organic additives.			
Details			
Name/(s) of Group member present responsible for supervision/ processing			
Name of Group member representative present during inspection*			
Date of Inspection			
*During peer appraisal presence of at least one member of the group who is well versed with the Parnanetra Organic PGS processing standards is a must requirement. In the absence of any representative appraisal cannot proceed.			
2. Appraisal report sheet of processing process			
1. Storage			
• Does storage facility meet standard requirement of Parnanetra Organic PGS			
• Are you satisfied that necessary measures have been put into place to prevent co-mingling and contamination			
• Are you satisfied that no prohibited substances have been used in storage Are you satisfied that full standard requirements have been met in storage			
2. Processing facility			
Specify whether processing facility is certified organic or undertakes non-organic processing also. Whether all equipment's, containers and processing facility has been cleaned thoroughly to ensure that no prohibited substances are			



incorporated in the processing Are you satisfied that the processing unit meets all standard requirements for Parnanetra Organic PGS-organic processing		
---	--	--

3. Processing

• Give details of process and specify whether the process is approved process under Parnanetra Organic PGS Organic program or not		
• Whether all ingredients are organic as per Parnanetra Organic PGS or not, If not then provide details for each organic and non-organic ingredients		
• Are you satisfied that all non-organic ingredients meet standard requirements Parnanetra Organic PGS		
• Are you satisfied that no prohibited substances have been used in processing Are you fully satisfied that the entire processing process meets the standard requirements or not. If not then specify non-conforming activity/ingredient		

Production details

Sr No.	Type of finished Expected Details of Specify product	Total yield	Packing Size	packing number of containers
1				
2				
3				
4				
5				

3. Inspection summary and recommendations

Although the peer review team does not make the final decision on certification but now that the inspection is over, what would you recommend for:

Storage facility	
Processing unit	
Process and out put	
Date of inspection	

Name, Signatures and Date of all peer-inspectors present during the appraisal

Name	Member Id	Signature

Place-		Date									
--------	--	------	--	--	--	--	--	--	--	--	--



Annexure VIII

Non-Compliance Guidelines “Catalogue of Sanctions”

Sanctions are given to farmers by the Local Group as a whole OR by the Local Group’s elected Ethics Council (if one were created).

Situations	Type of sanction
<ul style="list-style-type: none"> • Missing Attendance at a required Field Day • Unsatisfactory production system 	Verbal warning
<ul style="list-style-type: none"> • Minor violations of the standards or regulations • Repeated written warning for similar problem • Not responding to approval conditions 	<i>Short Suspension of Certification Period</i> determined by length of time it takes for the Grower to get a new peer inspection/consultation
<ul style="list-style-type: none"> • Repeated minor violations • Clear violation of the standards not threatening the organic integrity of the product. 	<i>Suspension</i> for a fixed period after until farmer(s) takes corrective actions.
<ul style="list-style-type: none"> • Clear violation of the standards threatening the organic integrity of the product e.g.: use of prohibited pesticides or synthetic fertilizers. 	<i>Longer term suspension for 1 year</i> <i>Farmer may be moved back into “In Conversion” status.</i>
<ul style="list-style-type: none"> • Repeated violations leading to penalties, suspension or withdrawal of approval. • Obvious fraud • Intentional obstruction of the inspection e.g.: denying inspector access. • Refusal to respond to written requests for additional information . 	<i>Termination of participation</i> Farmer(s) banned from PGS membership either permanently or for a set period of time.

The Right of Appeal

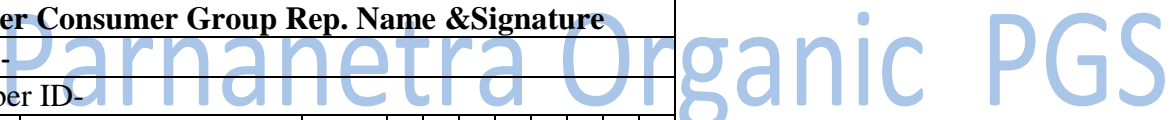
The farmers can make an appeal to the Facilitating agency within 2 weeks of the date of notification of the sanction by the Local Group OR to the Local Group as a whole if there is an Ethics Council that implemented the sanction.



Annexure IX											
LOCAL GROUP SUMMARY WORKSHEET											
(To be submitted to the Facilitating agency for certification decision approval)											
List of Local Group Farms to be Certified this Calendar Year Calendar Year:											
LOCAL GROUP lid (Assigned at the time of formation of the Local Group)											
LOCAL GROUP LEADER/Representative											
Name								Member ID-			
Mobile								Place-			
Total number of farmers											
1. Number of farmers fully (Organic) conforming to certified status(list enclosed as A)											
2. Number of farmers granted 2 nd Year in-conversion (List enclosed as B)											
3. Number of farmers granted 1 st Year in-conversion (List enclosed as C)											
4. Number of farmers Sanctioned (List enclosed as D)											
Certification Decision- We the members of the Local Group ID - _____ No hereby individually and collectively declares that members listed at A have achieved the Parnanetra Organic PGS certified status (PGS Organic) and fully conformed all the requirements. We individually and collectively declare that farmers at B are granted with In- conversion status (2 nd Year Conversion). We individually and collectively declare that farmers at C are granted with In- conversion status (1 st Year Conversion). We individually and collectively declare that farmers at D are granted with Sanctioned status. (Registered Member Farmer)											
Details of expected produce under Parnanetra Organic PGS-Organic and PGS-Green are given at Annexure I. Facilitating agency is requested to kindly approve our certification decision. All required information including peer appraisal sheets have been up-loaded on Parnanetra Organic PGS website and is available for review. We all group members undertake to abide by the decision of the Facilitating agency.											
Local Group Representative Name &Signature								Signature			
Name-											
Member ID-											
Place-		Date									
Decision of the Facilitating agency											
Certification decision approved											
Certification unique ID Code											
Certification decision not approved due to reasons								Facilitating agency Certification Manager			
1											
2											
3											
Place -				Date-				Signature			
The Right of Appeal - In case of certification approval denial by Facilitating agency the Local Group can make an appeal to the Parnanetra Organic PGS National Council or through Parnanetra Organic PGS Secretariat within 2 weeks of the date of notification of the certification denial by the Facilitating agency.											



Annexure X							
Application form for entry into PGS Farmer Consumer Group							
To							
The Group Convener/Leader							
Farmer Consumer Group PGS							
Village-		Taluka		District		State	
<p>Sir /Madam</p> <p>I am willing to undertake organic crop cultivation and milk production as per PGS standards and want to become a member of your Parnanetra Organic PGS Farmer Consumer group for PGS organic guarantee program.</p> <p>Necessary details of my family and farm, past history of production and inputs use and animals are enclosed herewith in the prescribed format.</p> <p>I have obtained a copy of Parnanetra Organic PGS Standards and Farmer Consumer Group operational manual and I undertake to adopt these standards on long term basis.</p> <p>I also undertake to participate in all the activities of Parnanetra Organic PGS Farmer Consumer Group including regular participation in group meetings, key field day training programs.</p> <p>I undertake to abide by the rules and regulations of the Farmer Consumer Group and follow all directives. I undertake to abide by the collective decisions of the Group.</p> <p>On being formally inducted I undertake to sign the Parnanetra Organic PGS organic pledge and follow it in letter and spirit.</p>							
Name				Signature of Farmer			
Address							
For Use by Farmer Consumer Group Office							
Application No in sequence							
Placed before the FCG executive on Dated for approval							
Assigned Membership Code Signature of Facilitator							
Accepted as FCG member Yes / No							
				Authorized Signatory FCG			

Annexure XI													
FARMER CONSUMER GROUP SUMMARY WORKSHEET													
(To be submitted to the Facilitating agency or F A for certification decision approval)													
Farmer Consumer Group Farm to be Certified this Calendar Year Calendar Year:													
FARMER CONSUMER GROUP lid (Assigned at the time of formation of the Farmer Consumer Group)													
Facilitator Representative													
Name										Member ID-			
Mobile										Place-			
Total number of farmers												Remark	
1.Farmer Granted Fully (Organic) conforming to certified status													
2.Farmer Granted 2 nd Year in-conversion													
3.Farmer granted 1 st Year in-conversion													
4.Farmer under Sanctioned													
Certification Decision- We the members of the Farmer Consumer Group ID - _____ No hereby individually and collectively declare that member farmer have achieved the status as above fulfilling all the requirements of Parnanetra Organic PGS.													
Details of expected produce under Parnanetra Organic PGS. Facilitating agency is requested to kindly approve our certification decision. All required information including peer appraisal sheets have been up-loaded on Parnanetra Organic PGS website and is available for review. We all group members undertake to abide by the decision of the Facilitating agency.													
Farmer Consumer Group Rep. Name & Signature													
Name-													
Member ID-													
Place-		Date											
Decision of the Facilitating agency													
Certification decision approved													
Certification unique ID Code													
Certification decision not approved due to reasons										Facilitating agency Certification Manager			
1													
2													
3													
Place -					Date-					Signature			
The Right of Appeal - In case of certification approval denial by Facilitating agency the Farmer Consumer Group can make an appeal to the Parnanetra Organic PGS National Council or through Parnanetra Organic PGS Secretariat within 2 weeks of the date of notification of the certification denial by the Facilitating agency.													



Annex XII

Products for Use in Fertilizing and Soil Conditioning In organic agriculture the maintenance of soil fertility may be achieved through the recycling of organic material whose nutrients are made available to crops through the action of soil microorganisms. Many of these inputs are restricted for use in organic production. In this annex "restricted" means that the conditions and the procedure for use shall be subjected to condition. Factors such as contamination risk of nutritional imbalances and depletion of natural resources shall be taken into consideration.

Parnanetra Organic Standards follow NPOP STANDARDS Guideline for Inputs Condition for use Matter Produced on an Organic Farm Unit

Inputs Condition for use Matter Produced on an Organic Farm Unit		
Sr No	Particulars	Action
1	Farmyard & poultry manure, slurry, cow urine	Permitted
2	Crop residues and green manure	Permitted
3	Straw and other mulches	Permitted
4	Matter Produced Outside the Organic Farm Unit Blood meal, meat meal, bone meal and feather meal without preservatives	Restricted
5	Compost made from any carbon based residues (animal excrement including poultry)	Restricted
6	Farmyard manure, slurry, cow urine (preferably after control fermentation and/or appropriate dilution) "factory" farming souFAes not permitted	Restricted
7	Fish and fish products without preservatives	Restricted
8	Guano Restricted Human excrement	Prohibited
9	By-products from the food and textile industries of biodegradable material of microbial, plant or animal origin without any synthetic additives	Restricted
10	30 Inputs Condition for use Peat without synthetic additives	Prohibited
11	for soil conditioning Sawdust, wood shavings, wood provided it comes from untreated wood	Permitted
12	Seaweed and seaweed products obtained by physical processes extraction with water or aqueous acid and/or alkaline solution	Restricted
13	Sewage sludge and urban composts from separated souFAes which are monitored for contamination	Restricted
14	Straw	Restricted
15	Vermicasts	Restricted
16	Animal chaFAoal	Restricted
17	Compost and spent mushroom and vermiculate substances	Restricted
18	Compost from organic household reference	Restricted
19	Compost from plant residues	Permitted
20	By products from oil palm, coconut and cocoa (including empty fruit bunch, palm oil mill effluent (pome), cocoa peat and empty cocoa pods)	Restricted
21	By products of industries processing ingredients from organic agriculture	Restricted
22	Minerals Basic slag Restricted Calcareous and magnesium rock	Restricted
23	Calcified seaweed	Permitted
24	Calcium chloride	Permitted
25	Calcium carbonate of natural origin (chalk, limestone, gypsum and phosphate chalk)	Permitted



26	Mineral potassium with low chlorine content (e.g. sulphate of potash, kainite, sylvinite, patenkali)	Restricted
27	Natural phosphates (e.g. Rock phosphates)	Restricted
28	Pulverized rock	Restricted
29	31 Inputs Condition for use Sodium chloride	Permitted
30	Trace elements (Boron, Ferrous, Manganese, Molybdenum, Zinc)	Restricted
31	Wood ash from untreated wood	Restricted
32	Potassium sulphate	Restricted
33	Magnesium sulphate (Epson salt)	Permitted
34	Gypsum (Calcium sulphate)	Permitted
35	Silage and silage extract	Permitted excluding Ammonium silage
36	Aluminum calcium phosphate	Restricted
37	Stone meal	Restricted
38	Clay ((bentonite, perlite, zeolite)	Permitted
39	Sulphur	Restricted
40	Microbiological Preparations Bacterial preparations (biofertilizers)	Permitted
41	Biodynamic preparations	Permitted
42	Plant preparations and botanical extracts	Permitted
43	Vermiculate Permitted Peat	Permitted

Parnanetra Organic PGS



Annex XIII

Products for Plant Pest and Disease Control Certain products are allowed for use in organic agriculture for the control of pests and diseases in plant production. Such products should only be used when absolutely necessary and should be chosen taking the environmental impact into consideration. Many of these products are restricted for use in organic production. In this annex "restricted" means that the conditions and the procedure for use shall be subjected to conditions.

Parnanetra Organic Standards follow NPOP STANDARDS Guideline for Inputs Condition for use Substances from plant and animal origin

Inputs Condition for use Substances from plant and animal origin

Sr No	Particulars	Action
1	Azadiracta indica (neem preparations)	Permitted
2	Neem oil	Restricted
3	Preparation of rotenone from Derris ellipticalonchocarpus, Thephrosiaspp	Restricted
4	Gelatine	Permitted
5	Propolis	Restricted
6	Plant based extracts – garlic, pongamia etc.	Permitted
7	Preparation on basis of pyrethrins extracted from Chrysanthemum cinerariaefolium, containing possibly a synergist Pyrethrum cinerfolium	Restricted
8	Preparation from Quassiaamara	Restricted
9	Release of parasite predators of insect pests	Restricted
10	Preparation from Ryania species	Restricted
11	33 Inputs Condition for use Tobacco tea	Prohibited
12	Lecithin	Restricted
13	Casein	Permitted
14	Sea weeds, sea weed meal, sea weed extracts, sea salt and salty water	Restricted
15	Extract from mushroom (Shitake fungus)	Permitted
16	Extract from Chlorella	Permitted
17	Fermented product from Aspergillus	Restricted
18	Natural acids (vinegar)	Restricted
19	Minerals Chloride of lime/soda	Restricted
20	Clay (e.g. bentonite, perlite, vermiculite, zeolite)	Permitted
21	Copper salts / inorganic salts (Bordeaux mix, copper hydroxide, copper oxychloride) used as a fungicide depending upon the crop and under the supervision of accredited Certification Body	Restricted
22	Mineral powders e.g. : stone meal	Prohibited
23	Diatomaceous earth	Restricted
24	Light mineral oils	Restricted
25	Permanganate of potash	Restricted
26	Lime Sulphur (calcium polysulphide)	Restricted
27	Silicates, clay (Bentonite)	Restricted
28	Sodium bicarbonate	Restricted
29	Inputs Condition for use Sulphur (as a fungicide, acaricide, repellent)	Restricted
30	Microorganism used for biological pest control Viral preparation (e.g. Granulosis virus, Nuclear Polyhedrosis Virus etc.	Permitted
31	Fungal preparations (Trichoderma spp.)	Permitted
32	Bacterial preparations (Bacillus spp)	Permitted



33	Parasites, Predators and sterilized insects	Permitted
34	Others Carbon dioxide and nitrogen gas	Restricted
35	Soft soap (potassium soap)	Permitted
36	Ethyl alcohol	Prohibited
37	Homeopathic and Ayurvedic preparations	Permitted
38	Herbal and biodynamic preparations	Permitted
39	Traps Physical methods (Chromatic traps, Mechanical traps, sticky traps and Pheromones)	Permitted

Parnanetra Organic PGS



Parnanetra Ayurvedic Agro System

Co-relating Theories of Ancient Ayurveda & Modern Science of Living Metabolism

- Ayurveda is a body of science, which depends entirely on the management of Vat, Pitta and Kapha Doshas.
- The five Mahabhootas (**Akash – space**), (**Vat – wind**) , (**Teja / Agni – fire**) , (**Jala – water**), (**Prithivi – earth**) and three doshas (**Vata, Pitta, Kapha**) are the basic aspects responsible for the life of organisms and also for their conditions of health and disease.
- The Mahabhootas form the physical basis of the body.
- The three doshas are the biological representatives of Mahabhootas and are responsible for Prakriti – normal physiological activities and Vikriti Pathological disorders.
- The building blocks of the entire material universe are termed Mahabhootas.
- The five Mahabhootas constitute the animate as well as the inanimate.

Panchabhoutic Composition of the Doshas.				
Mahabhoota	Property	Physical Character	Sense Organ	Function
Aakaasha	Shabda Sensation of sound	Absence of resistance	Shrotra (Ear)	Porous ness Distinctiveness Perception of Sound
Vaayu	Sparsha Sensation of touch	Movement	Twak (Skin)	Sparseness Activity / Movement Lightness Perception of touch
Teja	Rupa Sensation of light	Heat (Usnatwa)	Chaksu (Eye)	Brightness Color Perception of vision
Jal	Rasa Sensation of test	Liquidity	Rasana (Tongue)	Coldness Heaviness Perception of taste
Prithvi	Gandha Sensation of smell	Roughness Grossness	Ghrana (Nose)	Solidity Perception of smell



- The similarity in constitution of body tissues and drugs is the basis for drug action, which is, either stimulating (building) or Brimhana or depressing (reducing) or Langhana: substances having similar constitution increases while dissimilar substances reduces.
- In broader sense, Pancha Mahabhootas is the point in Ayurveda where philosophy and science meet. Regressively it goes into the domain of Philosophy, while it enters the domain of Science progressively.
- Knowledge or sensation in this universe could ultimately be perceived only through the agency of five factors namely hearing, touch, vision, taste and smell and this is possible only with the help of the bhootas. Parts of these Mahabhootas manifest as doshas in a living body.
- By Vat is meant all the functions of the Central and sympathetic Nervous systems.
- By Pitta is meant the functions of Thermo genesis or heat production and metabolism, comprehending in its scope the process of digestion, Coloration of blood and formation of various secretions and excretions, which are either the means or the ends of tissue combustion.
- By Kapha is mean the functions of Thermo-taxis or heat regulation and formation of various preservative fluids e.g. Mucosm synovia. Thus, production and regulation of heat to sustain the nervous system as a whole is the basic approach of Ayurvedic Medicine.
- It is well known that all reproductive forces, human or non-human, are entirely dependent on the maintenance of progressive equilibrium of Vat. Pitta and Kapha.
- During Research on living metabolism, we reached to the conclusion that Vitamins represent Tej Tatwa of Ayurveda
- Basically, it is a question of balanced growth. It is as much as true for a seed as it is true for plant. In fact, all embryonic cells have compressed nervous systems, which are preserved through inherent thermo genesis.
- Dr. K.M. Nadkarni in his book, "Indian Materia Medica" has quoted Dr. Hector Munro. Who states, "Vitamins are nothing more nor less than stored sunlight. It is found that food free from Vitamins is apt to cause diseases, generally known as deficiency diseases".



Dr. Nadkarni further quotes col. Mac Carrison, the great Food and Nutrition Expert. He has summarized the functions of Vitamins as –

- Vitamins are constant constituents of living tissues. Although present in very small amounts, maintenance of health is dependent on their action.
- Proteins, fats, carbo-hydrates and salts cannot support life without vitamin nor vitamins without these proximate principles. They are complementary to each other.
- A distinct relation exists between the amount vitamin required and the rate of metabolic processes.
- All vitamins are concerned in the maintenance of orderly balance bet destructive and constructive cellular processes.
- Vitamins influence markedly the production of hormones and all external secretions.
- The capacity of any given cell for work is impaired in proportion to the degree of Vitamin starvation.
- Vitamins aid the tissues in resisting infection.

Mahabhoota	Dosha	Functions
Pruthvi + Jala	Kapha	It is responsible for adhesion and cohesion.
Tej / Agni	Pita	Is responsible for heat, change and conversion
Akasha + Vat	Vata	Is responsible for control of movements & activity.
Note-		
Adhesion – The quality or condition of sticking together or holding fast. = an attraction or repulsion between the molecules of unlike substances in contact, + abnormal union of structures or parts		
Cohesion – The force that holds together the atoms or molecules in a solid or liquid , as distinguished from Adhesion		



Ayurveda

Ayurveda is not only the Science of medicine but also the Science of ensuring constant equilibrium and therefore perfect health within every living entity. Ayurvedic Agriculture is not only completely organic but it also produces food that is perfectly balanced in all three doshas; Vatta, Pitta and Kapha.

Vriksh-Ayurveda is a branch of Ayurveda, which analyses plant, soil and water according to the Tridosha system.

The universe is composed of five basic elements i.e. **Panch Mahabhootas**. These five elements in combination with: the **three Gunas** - namely Satva, Raja and Tama and all the **10 Directions** – North, South, East, West, North-East, South-East, North-West, South-West, Urdhva (upwards) and Adhah (downwards); and Kala (time) form the **Tridoshas** namely Vatta, Pitta and Kapha.

The basic principle of Ayurveda is to restore and retain the constant equilibrium of Tridosas – namely Vata, Pitta and Kapha.

We have applied this very principle to restore and retain the balance of Tridoshas in soil, water, air and in the bodies of all fauna and flora.

Vrikshayurveda describes the properties of various plants as well as other substances, which can be used as manure.

Parnanetra Sanshodhanalay have devoted all their energy in devising ways and means to transform this knowledge of plant's health and growth into specific formulation to suit present day climates and conditions.

The aspect of all-pervading pollution of various kinds affecting soil, water and air had to be taken into consideration while researching and experimenting in the fields.

The basic Principle of Ayurveda is to retain and restore constant equilibrium of Vatta, Pitta and Kapha (Tridosha) to maintain good health.

Parnanetra Sanshodhanalay has applied this very principle in order to remove the imbalance of Vatta, Pitta and Kapha in the plants, soil, air and water

By divine grace, ultimately we have been able to recycle natural resources for natural rejuvenation. We have been successful through constant and continuous experiments to determine the proportion, the process and doses of vitalizing elements to their optimum levels.

We have employed Ayurvedic knowledge, which is more than five thousand years old to create distinct medicinal agents to vitalize plants and also enable them to resist fungus, pests and insects.



As such, they are purely Ayurvedic in nature, in content and in preparation. It is altogether a new factor of development in the field of Agriculture.

In terms of Ayurvedic Pharmacology, the process of Anupaan is an innovation and an invention as well. Innovation in the sense that there had been no agricultural application of Ayurvedic Knowledge in modern times prior to the researches of **Parnanetra Sanshodhanalay..**

