



OPELIP

ODISHA PVTG EMPOWERMENT & LIVELIHOODS
IMPROVEMENT PROGRAMME

ST & SC Development Department
Govt. of Odisha



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From

**Mr. P Arthanari, IFS
Programme Director, OPELIP**

To

Special Officer/FNGO Chief Executive (17 MPAs)

Sub:

**Revised Guidelines on Agricultural & Horticultural Field
level Activities, 201-22 OPELIP**

Sir,

With reference to the subject cited above, the revised guidelines on "Agricultural & Horticultural Field Level activities-2021-22" is prepared basing on the AWPB 2021-22. However, for practical point of view, the cost norms for some crops are revised. The cost norms mentioned in this guideline is final and if the cost norm given in the AWPB is less or more then area of cropping should be adjusted accordingly.

Enclosure: As above

Yours faithfully,


Programme Director

REVISED GUIDELINES FOR IMPLEMENTATION OF
AGRICULTURAL AND HORTICULTURAL FIELD LEVEL
ACTIVITIES UNDER AWPB 2021-22



OPELIP

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GUIDELINES FOR IMPLEMENTATION OF AGRICULTURAL AND HORTICULTURAL FIELD LEVEL ACTIVITIES UNDER AWPB 2021-22

The Odisha PVTG Empowerment & Livelihoods Improvement Programme (OPELIP) aims to improve the livelihood and food security of PVTGS, other tribals and others in its operational villages through promoting more efficient, equitable, self-managed and sustainable use of natural resources at their disposal and through on-farm/ non-farm and enterprise development.

Aims:

To improve the quality of life of PVTG, tribal and other farmers in remote area through livelihood support and food security.

Agri-Horti. activities are the key livelihoods for the PVTG and tribal people as it increases the income of the family and its consumption meet the dietary requirement and improves the food and nutrition security in short span of time and thereby improves the quality of life of the tribal people their children as well as the women. In order to fulfil the above mandate AWP&B 21-22 of OPELIP has been prepared from grass root level taking different Agri-Horti activities for implementation in the OPELIP areas.

- I. Exposure Visit of Farmers.
- II. Farm school of cereals, pulses, oil seeds
- III. Demonstration/Cultivation of cereals, pulses, oil seeds & Spices
- IV. Cultivation of Hybrid/ HYV Vegetable crops
- V. Cultivation of different plantation crops
- VI. House hold Crop development (Mo Badi Phalabagicha)
- VII. Revival of Mushroom Units
- VIII. Land reclamation

1. General Guidelines for the year 2021-22

1. **New PVTG beneficiaries for the year 2021-22** to be selected for each crop season under Agri.-Hort. programme in order to cover more beneficiaries and there should not be repetition of beneficiaries from year 2019-20, 2020-21 at any time. In case of clusters, some tribal farmers may be included but for **MPA PVTG to tribal ratio should be 90: 10.**
2. The Demonstration/ Cultivation of all crops to be executed in clusters of minimum 5 acres.
3. In each VDC there should cultivation of minimum 0.5 ha for each category of crops and it should not be maximum 1 ha for each group of crops like pulses (1ha), oil seeds (1 ha), vegetables (1 ha) and maximum 2 ha for cereals (2 ha).

4. Crop demonstration should cover all the VDCs and no VDCs should be uncovered. Cereals crops
5. **The Demonstration/ Cultivation of all crops per beneficiary can be executed up to max 0.25Ac (0.1 Ha) for horticultural crops, cereal pulses and oil seeds and others, but for millets it can be 1.00(0.4 ha) Acre or more. But for yam it should be 0.1 Acre per beneficiary.**
6. At the time of selection of beneficiary suitability of soil, irrigation source interest of farmers be taken in to consideration.
7. Preference should be given for taking demonstrations in the fields where land development works are undertaken by IFAD, MGNREGA or CCD.
8. Farmers should be selected well in advance of the season and shared to the PMU on or before 15th May for Kharif, 15th September for Rabi and 15th December for summer season crops.
9. **The details of farmers such as Mobile no, adhar no, bank account no and land Patta no details to be collected and recorded in the case record.**
10. **All the individual cropping area to be marked under GIS mapping in the GIS app.**
11. The beneficiaries be trained about scientific package of practices of the Agri-Horti activities including INM/IPM/IIM methods beforehand.
12. The MPA and NGO will select the location and suitable crop and clusters involving the VDA/ SHG and the producer group.
13. The programme will be executed through VDA/SHG/ Producer groups, no individual benefit shall be distributed. The recommendation of VDA/ SHG/ Producer group for selection of farmers of the cluster must be properly documented with GPS photograph and counter signature of JAO, AO and Team leader.
14. The VDA/ SHG/NGO should submit UC and the MPA shall furnish the consolidated UC to PMU. All the vouchers are to be checked by JAO, AO, PM and Team leader with a certificate of utilisation of inputs supplied.
15. Goods & Services Inputs (GSI) like seeds and other inputs have been procured centrally and booked in the name of VDC which is clearly violation of the instruction communicated earlier from PMU OPELIP.

Seeds and other inputs should be procured by each VDCs from Govt. agencies as per the recommendation of MPA level procurement committee.

All inputs must be procured from Govt. agencies / Govt. approved agencies following Finance Dept. circular. The SO MPA shall constitute a Technical cum procurement committee comprising the local block level officers of line departments (Asst. Agriculture Officer, Assistant Director of Horticulture, Veterinary Asst. Surgeon (VAS), KVK scientists if any, JAO of MPA, AO, FNGO and the team leader of NGO and 5 farmers from each category of crops. The

committee will decide which varieties of the inputs to be procured and list out good agencies crop wise for procurement. That will be intimated to the VDA/SHG/ Producer group. The CPC (Community Procurement Committee) at VDC level will select the agency from the approved list given by MPA level technical cum procurement committee. The JAO of MPA and AO, FNGO will be responsible for all such input procurement and distribution to be done by VDA / SHG / PG.

16. All transactions made by VDA / SHG / PG must be Aadhar based to avoid duplicacy and to maintain transparency. The CRP/CSP (Agriculture & Horticulture) is to monitor the activities and countersign the transaction. The JAO and AO officials shall verify the registers regularly during their visit to the cluster and note their observation.
17. The FNGO shall exclusively accountable for execution and render support to the SHG/ VDA & Producer group at each step for successful execution of the programme.
18. The SO MPA shall convene fortnight review meeting with staff of MPA and FNGO to ensure that the progress of work is being made timely and properly and report the monthly achievement to the PMU.
19. All should ensure putting of yellow flags in each cluster reflecting intervention of OPELIP.
20. **The cost norm mentioned in this guideline is final and if the cost norm given in the AWPB is less or more then area of cropping should be adjusted accordingly.**
21. **All should follow the cost norms mentioned in the guidelines strictly however, there is 10 % variation in between the sub-component is allowed.**

2. Mode of payment/ expenditure:

1. As the VDA is already formed and functional fully, the actual amount due as per AWPB be transferred.
2. For execution of various activities at VDA level in AWP&B 2021-22, there has to be proper resolution of the VDA and opening of new case record too for the said activity.
3. VDA has to submit all the bills along with case records along with VDC resolution to the Special Officer through FNGO for payments. The cheque should be signed by the President, Secretary and Treasurer. The bills vouchers should be signed/verified/check measured by the JAO and AO. After scrutiny Special Officer should put a request letter to concerned Bank Manager for honouring the cheque/NEFT along with a copy of resolution and cheque duly signed by the office bearers.
4. It is assumed that the VDA submitting the above documents to MPA has already signed the tripartite agreement with MPA concerned.

5. The SO MPA has to retain the copy of resolution and forward the cheque with his/her consent to Bank to clear the cheque as requested by the concerned VDC.
6. The concerned CSP/CRP will facilitate the above process.
7. MPA and FNGO officials to give hand-holding support initially to the office bearers for maintenance of books of accounts. During their field visit they should ensure the quality of work and expedite expenditure as well through proper monitoring and supervision.

3. Role of Organisation:

A. Micro Project Agency

1. MPA staff to ensure timely selection of beneficiaries, finalisation of clusters, arrangement of all inputs and facilitate VDA/SHG/PGs for timely utilisation of seeds and other inputs.
2. Regular monitoring of the programme through field visits.
3. Ensure market linkage of the produce.
4. Organise Capacity Building programmes as per requirement with the help of experts from Line Department, research organisations etc.
5. Timely reporting of physical & financial progress
6. Guide FNGOs for timely and effective implementation of activities
7. Collect monthly field visit plan of the FNGO staff and prepare monthly plan of the MPA staff and collect GPS photographs of different activities at 3 stages (sowing/planting, growth and harvesting stage) submit the same to PMU/Manager(MIS & ME).
8. MPA to assist spread effect of field activities and report to PMU immediately after the season

B. Facilitating NGO

1. Identification of clusters, farmers, SHGs, FIGs
2. Facilitate procurement of inputs and timely distribution
3. Dissemination of technologies
4. Regular / frequent monitoring of activities
5. Ensure proper bookkeeping such as case records, distribution register and observatory register.

C. Transfer of funds

1. Funds will be placed to MPA through proper channel.
2. SO MPA shall transfer the funds to VDA account against the plan of action.
3. Based on the activities, VDA shall further release the funds to SHGs/ FIGs which need to be Aadhar based.

D. Documentation level all related records

1. Village level all related documents should be maintained by CSP/CRP, VDC and managed by FNGO.
2. MPA will document the physical and financial progress and impact of the activities and also communicate to the concerned authorities.
3. Proper documentation through GPS camera with video coverage.
4. Successful activities need to be intimated to PMU by SO MPA.
5. Case records of all activities are to be maintained by FNGOs & SO MPA to monitor the same.

E. Accounts & Audit

1. Accounts & cash book need to be maintained at SO MPA, VDA and FNGO level.
2. All the documents should be audited by Chartered Accountant, Internal, AG.
3. SO MPA shall furnish UC along with copy of the vouchers to PMU and the original to keep in safe custody to facilitate Audit.

F. Sustainability

1. Selected farmers should enhance the area of cultivation of the particular crop in subsequent years.
2. Village seed bank/ bank of planting material need to be formed through VDA
3. The CSP is responsible for expansion of area in subsequent years.

1. Exposure Visit of Farmers:

Exposure visit if farmers to be organised for cereals, pulses, oilseeds, tuber crop and horticultural farmers. The fooding&other cost during one day exposure visit within the MPA or nearby MPA is Rs. 100.00 per day per farmers. However, a fixed amount of Rs.

30,000.00 is also provided for arrangement of transportation to organise these farmers. The farmers who will take various crops in this year will only be included for exposure visit. The exposure visit will be conducted by mainlining COVID appropriate behaviour.

However, if COVID situation persists, MPA can organise training programme instead of exposure visit with permission from Special Officer.

The JAO is responsible for all the training and exposure visit. The AO and VAW should help the JAO in organising the same.

II. Farmers Field School

Detail Guidelines communicated vide T O Lt No 879 dated 19.06.2020

III. Demonstration on Line Sowing of Paddy/ SRI/ Cultivation of Cereals, Pulses, Oil Seeds & Spices:

A. Crop varieties with unit area in ha. & seed/ manure (compost)/ bio fertilizer requirement per unit i.e. for 0.25 Ac./ 0.1 ha.

| Sl no. | Crop | Varieties | Unit Area (Ac./ Ha.) | Seed Requirement in Kg. | Manure in Qtl. | Bio-fertiliser in Kg. |
|----------------|-----------|--|----------------------|-------------------------|----------------|-----------------------|
| Cereals | | | | | | |
| 1 | Paddy | Heera/ DhalaHeera/ Kalinga3/ Parijata/ Pathara/ Khandagiri/ Lalitagiri/ Udayagiri/ Bandana/ Lalata/ Sowna/ Jagannatha/ Puja/ Sarala. | 0.25/ 0.1 | 6.5 | 5 | 0.1 |
| 2 | Ragi | Bhirabi/Chilika/Subhra/Mati/ Mandia/ Batimandia/ Sunamani | 1 ha | 10 | 50 | 1 |
| 3 | Wheat | Sonalika, Kalyan sona, UP-272, Sagarika, UP-262 | 0.25/ 0.1 | 12.5 | 5 | 0.1 |
| 4 | Maize | Bijaya/Jawahar/Arun/Ganga-5 | 0.25/ 0.1 | 1.5 | 5 | 0.1 |
| | Sweetcorn | Madhuri/Sumadhur/Madhuramoti/Priya | 0.25/ 0.1 | 0.6 | 5 | 0.1 |
| Pulses | | | | | | |
| 5 | Greengram | PusaBaisakhi/Dhauli/Ratila/PS 16/Hy 403/Sujata/Jyoti/Samrat/Pragyan | 0.25/ 0.1 | 2.5 | 5 | 0.1 |

| | | | | | | |
|-----------------|-----------|---|----------|------|----|------|
| 6 | Blackgram | Sarala/Prasad/Mahuri/T-9/Tu 94-2/LBG-17 | 0.25/0.1 | 2.5 | 5 | 0.1 |
| 7 | Arhar | Upas-120/Asha/Vasanta/Bahar/Laxmi/Maruti | 0.25/0.1 | 2 | 5 | 0.1 |
| 8 | Horsegram | DS 1-2, Urmi, Local | 0.25/0.1 | 5 | 5 | 0.1 |
| Oilseeds | | | | | | |
| 8 | Groundnut | Kishan/AK12-24JL-24/Kadri-3/Jawan/Smuruti | 0.25/0.1 | 15.0 | 5 | 0.25 |
| 9 | Mustard | Parvati/Anuradha/PT 303 | 0.25/0.1 | 1 | 5 | 0.1 |
| 10 | Niger | Deomali | 0.25/0.1 | 1 | 5 | 0.1 |
| 11 | Sesamum | Vinayak/Kanak/Uma/Krishna/Prachi/Nirmala | 0.25/0.1 | 1 | 5 | 0.1 |
| 12 | Sunflower | BSN-1/Jwalamukhi/Modern | 0.25/0.1 | 1 | 5 | 0.1 |
| Spices | | | | | | |
| 13 | Onion | N-53 / Nasik Red & other HYV | 0.25/0.1 | 1 | 10 | 1.5 |
| 14 | Turmeric | Lakadong/ Roma/ Surama/ Sonia & other HYV | 0.25/0.1 | 140 | 15 | 1.5 |
| 15 | Ginger | Suprava / Suruchi / Suravi/ Rocambole | 0.25/0.1 | 140 | 15 | 1.5 |
| 16 | Garlic | Ooty 1, sigapore Red, Cerole, Rajali, | 0.25/0.1 | 50 | 15 | 1.5 |
| Others | | | | | | |
| 17 | Sunhemp | K-12, SUN 053, SH-4, K-12 | 0.25/0.1 | 1 | 10 | 1.5 |

B. Financial support: (for 0.25 Ac./ 0.1 Ha.)

| Sl No. | Component | Crop | | | | |
|--------|--|--------|--------|-------------|--------|-----------|
| | | Paddy | Wheat | Ragi (1 ha) | Maize | Sweetcorn |
| 1 | Seeds | 200.00 | 500.00 | 500.00 | 400.00 | 1400.00 |
| | Manures/organic manures and Bio Fertilisers | 100.00 | 100.00 | | 100.00 | 200.00 |
| 2 | Incentive for line transplanting & green manuring, weeding | 550.00 | 250.00 | | 50.00 | 350.00 |

| | | | | | | |
|---|---------------------------|---------------|---------------|---------------|---------------|----------------|
| | timely cultural operation | | | | | |
| 3 | Misc. Exp. | 50.00 | 50.00 | 100.00 | 50.00 | 50.00 |
| | Total | 900.00 | 900.00 | 600.00 | 600.00 | 2000.00 |

| Sl No. | Component | Crop | | | | | |
|--------|---|---------------|---------------|---------------|---------------|---------------|----------------|
| | | Greengram | Blackgram | Arhar | Horse Gram | Sunhemp | G.nut |
| 1 | Seed | 600.00 | 600.00 | 600.00 | 600.00 | 400.00 | 1700 |
| | Manures and Bio Fertilisers | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| 2 | Incentive for line sowing, inter cultural operation | 200.00 | 200.00 | 200.00 | 200.00 | 350.00 | |
| 3 | Misc. Exp. | | | | | 50.00 | 100.00 |
| | Total | 900.00 | 900.00 | 900.00 | 900.00 | 900.00 | 1900.00 |

| Sl No. | Component | Crop | | | |
|--------|---|---------------|----------------|---------------|---------------|
| | | Sunflower | Sesamum | Niger | Mustard |
| 1 | Seed | 500.00 | 200.00 | 150.00 | 150.00 |
| 2 | Incentive for line sowing, inter cultural operation | | 500.00 | | |
| | Manures and Bio fertilisers | 100.00 | 200.00 | 100 | 100 |
| 3 | Misc. Exp. | | 100.00 | 50.00 | 50.00 |
| | Total | 600.00 | 1000.00 | 300.00 | 300.00 |

| Sl No. | Component | Crop | | | |
|--------|--|-------|----------|--------|--------|
| | | Onion | Turmeric | Ginger | Garlic |
| 1 | Seed | 2100 | 6000 | 11000 | 6450 |
| 2 | Manure & Bio fertilizer | 100 | 100 | 100 | 300 |
| 3 | Seed Treating Chemical | - | 50 | 50 | - |
| 4 | Incentive for line transplanting, inter cultural operation | 450 | - | - | 200 |
| 5 | Misc. Exp. | 100 | 100 | 100 | 50 |

| | | | | | |
|--|--------------|-------------|-------------|--------------|-------------|
| | Total | 2750 | 6250 | 11250 | 7000 |
|--|--------------|-------------|-------------|--------------|-------------|

IV. Cultivation of Hybrid/ HYV Vegetable crops:

Crop varieties with unit area in Ac/ha and seed/ manure(compost)/ bio-fertiliser(Azotobactor,PSB,KSB) requirement per unit in Gram i.e. for 0.25 Ac/ 0.1 Ha.

| Sl No | Crop | Varieties | Area (Ac./ha) | Open pollinated seeds in gm. | Hybrid seeds in gm. | Manure in Qtl | bio-fertiliser in Kg. |
|-------|----------|--|---------------|------------------------------|---------------------|---------------|-----------------------|
| 1 | Brinjal | ArkaNavneet, PusaKranti, Pusa purple long, Black beauty, BB 1, Utkaltareni, Utkalkesari, Utkalmadhuri | 0.25/0.1 | 50gm | 20 | 10 | 1.0 |
| 2 | Tamato | Utkalpalavi, Utkal dipti, PanjabChwra, Utkal kumara, Utkalurbasi, Arkasorav, Arkavikas, ArkaRakyak, Rupali, Suman, Ustava, Suraksya | 0.25/0.1 | 50 gm | 20 | 10 | 1.0 |
| 3 | Chili | Veera, Spicy 20, ArkaKhyati, Utkalava, utkalrasmi, Utkalragini, Agnirekha, Pushajwala, G-1/4 | 0.25/0.1 | 80 gm | 30 | 10 | 1.0 |
| 4 | Capsicum | Bomby/ Orobelle/ Indra/ any other | 0.25/0.1 | 30 gm | 30 | 10 | 1.0 |
| 5 | Okra | Barsa, Bijaya, No.10, Tara, Gitanjali, Parbankranti, Utkalgaurab, PusaSawani, Utkalgaurab, selection-10, Arkaanamika, Arkaavaya | 0.25/0.1 | 1.5 kg | 600 | 10 | 1.0 |
| 6 | Cowpea | Pusabarsat, UtkalManika, Sowrna, PusaFalguni, Pusabahufasaali, Pusakomal, Pusaruturaj | 0.25/0.1 | 1kg | | 10 | 1.0 |
| 7 | Pea | Early-Arkel, Early giant, EarlyBetchkar, Medium-Bonevilla, N.P-29, English wonder, American wonder, Azad, P3, Late- Green field, T-163, Early bejar, Jawahar | 0.25/0.1 | 6 kg | | 10 | 1.0 |
| 8 | French | Pusaparvati, Arkakomal, Tender | 0.25/ | 2.5 kg | | 10 | 1.0 |

| | | | | | | | |
|----|-------------|---|--------------|------------------------------|-----|----|-----|
| | Bean | green, Kentuki wonder, Contender, Tender Punch | 0.1 | | | | |
| 9 | Cabbage | Greenrball, Priya, Goldstar, Pragati, Green Samrat, Ganga, Kaberi, Green Express, Mahalaxmi | 0.25/ 0.1 | 50 gm | 30 | 10 | 1.0 |
| 10 | Cauliflower | Megha, Barkha, Snowball, Pawas, Suhasini, Early varity- Early synthetic, Early kuanri, Pusakatki, Pusadeepali, Margasira, Midium- Geant snowball, Japani synthetic, Sylection 6, Latr- Snowbil 16, Super snowball, Madhumati, Aparajita | 0.25/ 0.1 | 50 gm | 30 | 10 | 1.0 |
| 11 | Knolkhol | White Vienna, Purple Vienna, Grand Duke, White Danube, Large Green | 0.25/ 0.1 | 130 gm | 30 | 10 | 1.0 |
| 12 | Radish | PusaRasmi,,PusaHimani,PusaChetaki,Japanese White,IHI-11,Glove, White long, Red long | 0.25/ 0.1 | 1 kg | 500 | 10 | 1.0 |
| 13 | Carrot | Nantes/ pushakeshar/ Samson/ pushameghali | 0.25/ 0.1 | 600 gm | 300 | 10 | 1.0 |
| 14 | Beet | Deep Red/ Crimson Globe/ Crosby Egyptian/ Early Wonder | 0.25/ 0.1 | 750 gm | 500 | 10 | 1.0 |
| 15 | Yam | Odisha elite/ Hatikhoja etc. | 0.25/ 0.1 | 2 qtl. | - | 15 | 1.0 |
| 16 | Pumpkin | Arkachandan/pushaviswas/ vaidyavati/ hybrid-1/ bhiraba/Arkasujyamukhi | 0.25/ 0.1 | 500 gm | 250 | 10 | 1.0 |
| 17 | Cucumber | Pusasanjog, Long green, Japanese longgreen, Strait 8, Seetal, Poinset | 0.25/ 0.1 | 250 gm | 100 | 10 | 1.0 |
| 18 | Watermelon | Sugar baby, Asaiyamato, Arkajyoti, Arkamanika, Madhu, Melon, Hybrid 4 | 0.25/ 0.1 | 300 gm | 100 | 10 | 1.0 |
| 19 | Bittergourd | Arkaharit, Priti, Green small, Nakhra improved, CO-1, NDU-1 | 0.25/ 0.1 | 500 gm | 220 | 10 | 1.0 |
| 20 | Ridgegourd | Pusanasdar, GT-1, Yatlan, Mangalore, Satapatria, CO-1, CO-2 | 0.25/ 0.1 | 500 gm | 150 | 10 | 1.0 |
| 21 | Coriander | Rajendra, Swati, Sadhana, CO-1, CO-2, CO-3 | 0.25/ 0.1 | 2.5Kg | | 10 | 1.0 |
| 22 | Potato | Kufriyoti, k. Chandramukhi, K.Badshah, K.Lalima, | 0.25/ 0.1 | 1.5 Qtl | - | 10 | 1.5 |
| 23 | Tapioca | H -97, SreeSahya, Sree Jaya, SreeHarsa, Sree Prava etc. | 0.25/ 0.1 | 17,000 sets (75 cm x 75 cm) | | 15 | 1.0 |

| | | | | | | | |
|----|----------|---|--------------|--------------------------|----|----|-----|
| 24 | Brocoli | Saki F1, Green Magic F1, Arcadia, Gypsey, Amadeus | 0.25/ 0.1 | 50 gm | 30 | 10 | 1.0 |
| 25 | Marigold | Seracal. Bengle yellow, PusaBasanti etc (0.4 m x 0.3 m) spacing | 0.25/ 0.1 | 7500 cuttings /seedlings | | 10 | 1.0 |

A. Financial support: (for 0.25 Ac./ 0.1 Ha.)

| Sl No. | Component | Crop | | | | |
|--------|---|-------------|-------------|-------------|-------------|-------------|
| | | Brinjal | Tamato | Chilli | Capsicum | Okra |
| 1 | Seed | 500 | 500 | 1800 | 3200 | 3200 |
| 2 | Bio-fertiliser | 350 | 350 | 350 | 350 | 350 |
| 3 | Manures and Compost / Neem cake | 500 | 500 | 500 | 500 | 500 |
| 4 | Incentive for line sowing and improved package of practices | 300 | 300 | 100 | 600 | 600 |
| 5 | Micro nutrient & other bio-pesticides, PP Chemicals | 200 | 200 | 200 | 200 | 200 |
| 6 | Misc. Exp. | 150 | 150 | 50 | 150 | 150 |
| | Total | 2000 | 2000 | 3000 | 5000 | 5000 |

| Sl No. | Component | Crop | | | | | | |
|--------|----------------|--------|-----|------------------------------------|-------------|---------|-------------|---------|
| | | Cowpea | Pea | Chik Pea /Pigeon Pea / Dangar Rani | French Bean | Cabbage | Cauliflower | Brocoli |
| 1 | Seed | 500 | 500 | 200 | 3850 | 1000 | 1500 | 1500 |
| 2 | Bio-fertiliser | 350 | 350 | 100 | 300 | 350 | 350 | 350 |

| | | | | | | | | |
|---|---|-------------|-------------|------------|-------------|-------------|-------------|-------------|
| 3 | Manures and Compost / Neem cake | 500 | 500 | 350 | 300 | 500 | 500 | 500 |
| 4 | Incentive for line sowing and improved package practices of | 300 | 300 | 200 | 300 | 300 | 300 | 300 |
| 5 | Micro nutrient & other bio-pesticides, PP Chemicals | 200 | 200 | | 200 | 200 | 200 | 200 |
| 6 | Misc. Exp. | 150 | 150 | 50 | 50 | 150 | 150 | 150 |
| | Total | 2000 | 2000 | 900 | 5000 | 2500 | 3000 | 3000 |

| Sl No | Component | Crop | | | | | | | |
|-------|---|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|
| | | Knolkhol | Radish | Carrot | Beet | Tapioca | Sweet potato | Yam | Pumpkin |
| 1 | Seed | 500 | 500 | 500 | 500 | 1700 | 4250 | 8000 | 2500 |
| 2 | Bio-fertiliser | 350 | 350 | 350 | 350 | 500 | 300 | 500 | 500 |
| 3 | Manures and Compost / Neem cake | 500 | 500 | 500 | 500 | 500 | 280 | 300 | 650 |
| 4 | Incentive for line sowing and improved package practices of | 300 | 300 | 300 | 300 | 300 | -- | - | 700 |
| 5 | Micro nutrient & other bio-pesticides, PP Chemicals | 200 | 200 | 200 | 200 | | -- | - | 500 |
| 6 | Misc. Exp. | 150 | 150 | 150 | 150 | | -- | - | 150 |
| | Total | 2000 | 2000 | 2000 | 2000 | 3000 | 4830 | 8800 | 5000 |

| SIN | Compone | Crop | | | | | | | |
|-----|---------|------|--|--|--|--|--|--|--|
| | | | | | | | | | |

| o. | nt | Cucumb er | Wate r melo n | Bitte r gour d | Ridg e gour d | Ivy gour d | Ponied Gourd /spine gourd | Coriand er | Potat o | Marigol d |
|----|---|--------------|------------------------|-------------------------|------------------------|------------------|------------------------------------|---------------|-------------|--------------|
| 1 | Seed | 500 | 2250 | 3200 | 500 | 3750 | 3,900.0 0 | 500 | 6000 | 11250 |
| 2 | Bio- fertiliser | 350 | 350 | 450 | 350 | 450 | 450 | 350 | 350 | 1500 |
| 3 | Manures and Compost / Neem cake | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 1500 |
| 4 | Incentive for line sowing and improved package of practices | 300 | 300 | 500 | 300 | 200 | 1,000.0 0 | 300 | 500 | 500 |
| 5 | Micro nutrient & other bio- pesticides, PP Chemicals | 200 | 200 | 200 | 200 | | 200 | 200 | 500 | |
| 6 | Misc. Exp. | 150 | 150 | 150 | 150 | 100 | 200 | 150 | 150 | 250 |
| | Total | 2000 | 3750 | 5000 | 2000 | 5000 | 6250 | 2000 | 8000 | 15000 |

V. Cultivation of Plantation Crops

| PLANTATION CROPS COST NORM FOR 0.25 Acre/0.1 ha | | | | | | | | |
|---|---|---|--|--|--------------------------|------------------------|---|---|
| Sl No. | Component | Apple Ber(Var: Gola, Banarasi, Kaithali, Uniran etc) 6mx6 m, 28 plants | Drumstick(PKM-I & III) 2.5mx 2.5 m, 160 nos | Pinapple (5050 plants, Queen Variety) | Amla (22 plants) 7mx 7m | Banana (320 plants) TC | Papeya (Gynodious varieties like Taiwan Red lady, Pusa dwarf, Scarlet Prince etc.), 2mx2m, 250 plants | Sabai Grass (2800 slips, 2feet x2 feet) @Rs. 1.0 only |
| 1 | Seed | 1500 | 1600 | 27500 | 1200 | 4800 | 3750 | 2800 |
| 2 | Bio Fertilisers | 400 | 400 | 400 | 330 | 500 | 500 | 500 |
| 3 | Manure, Compost Neem cake | 1200 | 1200 | 400 | 800 | 1000 | 1000 | 1000 |
| 4 | Micro nutrients, Bio pesticides, PP chemicals | 600 | 600 | 500 | 1000 | 1000 | 1000 | |
| 5 | Fencing | 3000 | | | | | | 2000 |
| 6 | Incentive for inter cultural operation, weedind, watch & ward | 1000 | 1000 | 1000 | 700 | 1000 | 1000 | 2300 |
| 7 | Misc. Exp. | 300 | 200 | 200 | 150 | 200 | 250 | 400 |
| | Total(Rs.) | 8000 | 5000 | 30000 | 4180 | 8500 | 7500 | 9000 |

VI. House Hold Crop Development (Mo Badi PhalaBagicha)

Objective: To promote long term and short-term fruit plants in the homestead lands along with emphasis on kitchen gardening for nutritional security and enhancement of income source.

Activities to be undertaken:

- This activity should be started in this Kharif (2021) i.e. in the month of June, 2021 without any delay.

- Development of backyards as fruit garden with glairicidia/ green hedge/ plastic net fencing. Assistance may be given to farmers so that he can able to make fencing of 200 m²
- Provision of quality graft/ seed ling of fruit plants, manure and fencing material.
- Backyard land of interested farmers with 0.02 ha. (200 sq. Mt.) will be identified by the CSP/CRP, approved by VDC. The inputs will be purchased by VDC through FNGO and CSP facilitation. Apart from all profile of beneficiary should be properly filled up and enclosed in the case record.
- Financial support for the Mo Badi PhalaBagicha to the tune of Rs.5000/- per unit i.e. 0.02 ha. Will be provided.
- The FNGO is to ensure the success of the Mo Badi PhalaBagicha with proper monitoring of the programme with CSP/CRP and MPAs. The proper GEO Tagging photos (pre, during and post) should be enclosed /li

| Sl No. | Fruit Plants | No. Of Plants | Indicative cost Including transportation (Rs.) | Cost of Manure / organic Manure s/FYM/ Organic Pesticides if any (Rs.) | Incentive to the farmers for doing 3 seasons | Cost of Fencing Material (Rs.) (Chicken wire of 3 inch spacing) wooden pole will be provided by beneficiary. (Cover min 100sq. M) i.e., 40 m length x 4feet | Horticultural tools such as axes (1 no), Spade (1 no), gardenspad (1 no) | Vegetable seed mini-Kit(Rs. 300.00 for Khari f and Rs. 300.00 for Rabi) | Grand Total (Rs.) |
|--------|--------------|---------------|--|--|--|---|--|---|-------------------|
|--------|--------------|---------------|--|--|--|---|--|---|-------------------|

| | | | | | | height | | | |
|---|---|----|-----|-----|-----|--------|-----|-----|------|
| 1 | Mango graft (Amrapali, Mallika, Langra) | 4 | 180 | 500 | 500 | 1530 | 500 | 600 | 5000 |
| 2 | Sapotigr aft(Cric ket Ball, Chinese) | 4 | 180 | | | | | | |
| 3 | Guava goote(A llhabad Safed, Lukhno w 49, Bihi) | 4 | 120 | | | | | | |
| 4 | Kageji Lime seedling /lime | 4 | 60 | | | | | | |
| 5 | Banana TC (G 9, Bantala) | 10 | 150 | | | | | | |
| 6 | Papaya seedling (Gynodi ocious varietie s like Taiwan Red lady, Pusa dwarf, Scarlet | 10 | 120 | | | | | | |

| | | | | | | | | |
|--------------|------------------------|-----------|-------------|------------|------------|-------------|------------|-------------|
| | Prince) | | | | | | | |
| 7 | Drumstick seedling | 4 | 60 | | | | | |
| 8 | Lemon seedlings | 2 | 50 | | | | | |
| 9 | Tamarind seedlings | 3 | 150 | | | | | |
| 10 | Coconut | 2 | 100 | | | | | |
| 11 | Yam | | 100 | | | | | |
| 12 | Tapioca / Sweet Potato | | 100 | | | | | |
| Total | | 47 | 1370 | 500 | 500 | 1530 | 500 | 600 |
| | | | | | | | | 5000 |

NB:

The details of fruit plants along with vegetable Seeds mini kit to be provided and breakup of unit cost for 200 sqmt. Area of Mo Badi PhalaBagicha & Vegetable Garden is as follows. The sketch map of planting of fruit plants is enclosed at Annexure - 1.

(The cost structure is indicative and interchangeable limiting to Rs.5000.00)

Vegetable seed mini kit will consist of crops like Okra, brinjal, bitter gourd, chilli, tomato, cucumber, pumpkin, ridge gourd, radish, cowpea, cabbage, cauli flower and green leaf vegetables. Vegetables should be grown in both Kharif and Rabi so that throughout the year there should be availability of vegetables.

VII. Mushroom Cultivation Revival:

- a. It will be provided to the groups those have successfully cultivated both type of mushrooms paddy straw as well as oyster but discontinuing due to lack of funds/ damage of houses due to cyclone/ rain/other reasons.

Crop: Mushroom Production Unit (Paddy Straw 50 bed/1month)

| Sl No. | Component | Unit | Requirement | Rate/Unit | Amount (Rs.) |
|--------------|---|------|-------------|-----------|----------------|
| 1 | Repair of thatched house | 1 | | | 1000.00 |
| 2 | Bamboo Racks repairs | | | | 500.00 |
| 3 | Mushroom Spawn both for Paddy straw and Dhingri | | 50 kg | 50 | 2500.00 |
| 3 | Pulse Powder | | 8kg | 80 | 640.00 |
| 4 | Polythene for Paddy straw/ Dhingri | LS | | | 360.00 |
| Total | | | | | 5000.00 |

NB: If no repair of thatched house and bamboo racks is required, the cost can be used for mushroom spawn, Pulse powder or polythene as per requirements.

VIII. Land Reclamation:

Programme has developed FRA lands through funding from IFAD and MGNREGA. The FRA lands of PVTGs have already been developed by land levelling and putting cross bunds/field bunds to conserve water and which can be converted to cultivable lands. However, during the process of development of land the top soils and fertility of lands are compromised and lost and in order to convert the land, reclamation is required. The land reclamation can be done by applying the Farm Yard Manure (FYM). Farm yard manure of **4 tractor loads** amounting to Rs. 2500.00 should be applied to make the land suitable for cultivation. The developed land will be also covered under cultivation this year. The JAO and AO will collect the information of land development from JE and select the suitable field.

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