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EDITORIAL



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From Project Director's Desk

Sustainable Forest Management (SFM) aims to maintain and enhance the economic, social and environmental values of all types of forests, for the benefit of present and future generations. The SFM results into augmenting livelihoods, providing clean air and water, conserving biodiversity and responding to climate change. Deforestation threatens biodiversity, water and air quality, the livelihoods and food security of forest-dependent communities that are the poorest and most vulnerable. Similarly, increasing natural forest protection and reforestation efforts offset the effects of deforestation. Community-based forest programme viz. Joint Forest Management defers deforestation and promote socioeconomic development through planting of forest resources and livelihood development.

Sustainable Forest Management through community participation is the key objective of Odisha Forestry Sector Development Project. About 51000 ha area is being taken up for ANR plantations, 6000 ha area will be covered under Artificial Regeneration plantation and about 10,000 ha will be covered under Farm Forestry intervention across 1200 VSSs in 12 Project Divisions within the project period.

During 2020-21, plantations were taken up in 423VSSs across 18 Ranges of 12 Project Divisions in the State. The preparatory activities such as site selection for plantation, nursery raising etc. were taken up during 2019-20. More than 60% of seedlings required for plantations were done in the temporary nurseries raised by the VSS members and rests were supplied through the Hi-tech Nurseries/Central nurseries of respective Divisions. Similarly Farm Forestry plantations have been taken up in 1833 ha covering 4432 beneficiaries in 252 VSSs under OFSDP. Altogether 60.40 lakhs seedlings have been planted in the VSSs covered under OFSDP during 2020-21. Such plantations has generated about 10.12 lakh man days during the pandemic situation, which helped the communities particularly the poorest of poor household to meet the basic need during the difficult times.

In this issue of Banayana, plantation activities taken by the Project Divisions (DMUs) have been highlighted. Some reports on plantation sites of each Project Division, citing the involvement of communities in selection of site, species selection, their active involvement in plantations activities for effective growth of the plants have been indicated. These success reports on plantations will be inspiring for all the stakeholders including field staffs and local communities.

Dr. Sudarsan Panda, IFS

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PLANTATION PROGRAMME OF OFSDP-II

Sustainable Forest Management through active participation of communities is an important component under Odisha Forestry Sector Development Project. The project has envisaged that 57,000 ha will be covered under Assisted Natural Regeneration (51,000) and Artificial Regeneration (6,000) plantation across the 1200 VSSs of the project in phases. Further 10,000 ha has been decided to be taken up for plantation under Farm Forestry component of OFSDP following non-JFM mode.

ANR and AR plantations under OFSDP are being done through Joint Forest Management Mode. Selection of sites for plantation, species to be planted in the assigned area of each VSSs are being finalized in

consultation with the respective VSS. Plantations under Farm Forestry is being taken up in the patta land of the beneficiaries with the twin objectives to increase the tree cover outside the forest and to create a potential source of sustainable income generation for the villagers.

Most of the project interventions under OFSDP-II aim at restoration of degraded forests and improving the livelihood of the forest dependent villagers which are being carried out in Joint Forest Management mode (JFM) and are under implementation through Vana Surkshaya Samities constituted in 1200 villages within 12 Forest Divisions which are FRA compliant.

Achievement in Plantation

Odisha Forestry Sector Development Project (OFSDP-II) was launched during 2017-18 and the all preparatory work such as constitution of PMU, DMU, FMU, positioning of staff, engagement of Partner NGO, selection of VSSs, expansion of buildings at PMU, DMU & FMU, formulation of guidelines etc. were taken up in the first year of implementation. The first batch of 355 VSSs across the 15 FMUs and 15 Divisions were taken up during 2018-19 for implementation under OFSDP. Similarly, 423 VSSs in 18 FMUs and 422 VSSs in leftover 17 FMUs were

taken up in OFSDP fold during 2019-20 and 2020-21 respectively.

ANR and AR plantations in 16766 ha covering 60.58 lakhs seedlings were taken up in 355 batch-I VSSs during 2019-20. The comprehensive report submitted below reflects the achievement in plantations taken up in project divisions during the current year. Total 60.40lakhs seedlings were planted in 12 different Project Divisions covering 423 VSSs.

Plantations in Batch-II VSSs during 202-21

Divisions DMU	No of FMUs	Area	Achievement in ANR		Achievement in AR		Achievement in Farm Forestry	
			No of VSS	Area in Ha	Seedlings	Area in Ha	Seedlings	Seedlings (In Nos)
Baripada	3	70	120	24000	126	153000	44480	221480
Rairangpur	3	60	2672	534400	88	141700	47415	723515
Karanjia	1	20	807	212400	32	42200	97505	352105
Athamallik	1	25	637	174400	113	165200	118134	457734
Dhenkanal	1	27	732	164600	155	213200	51191	428991
Sundargarh	2	60	1784	636800	317	380300	160128	1177228
Jharsuguda	2	51	991	262600	198	254400	50400	567400
Sambalpur	1	20	595	212400	105	165900	242153	620453
Subarnapur	1	25	744	265600	130	207700	121971	595271
Boudh	1	20	530.3	195676	60.9	103950	195568	495194
Ghumsur(N)	1	25	390	91200	17	17600	29065	137865
Ghumsur(S)	1	20	414	107600	100	95800	59440	262840
Total	18	423	10,416	28,81,676	1,442	19,40,950	12,17,450	60,40,076



Farm Forestry

Improving the green coverage outside the forest areas envisaged under OFSDP-II through non-JFM mode by adopting Farm Forestry activities. The Farm Forestry plantation plan under OFSDP-II is targeted up to 10,000ha and the comprehensive plantation programme has been prepared after feedback from wide range of stakeholders

specifically the community members and villagers of the VSSs of batch-I& batch-II VSSs. A detailed guideline on farm forestry interventions focusing on the species and plantation model, was formulated. The farm forestry interventions made during 2020-21 are enlisted below:

Divisions	No of VSS Covered	Area	Beneficiaries in numbers	No of seedlings
Athamallik	18	187	318	118134
Baripada	5	55	96	44480
Boudh	20	209	396	195568
Dhenkanal	18	119	220	51191
Ghumusur North	21	59	124	29065
Ghumusur South	20	147	363	59440
Jharsuguda	15	103	275	50400
Karanja	17	168	362	97505
Rairangpur	20	80	260	47415
Sambalpur	43	369	550	242153
Subarnapur	25	140	1114	121971
Sundergarh	30	197	354	160128
Total	252	1833	4432	12,17,450

DMU WISE REPORTS

Reports of few VSS in which forestry interventions were carried out successfully in divisions are described below.

ATHAMALLIK

Plantations like Assisted Natural Regeneration (ANR) plantations and Artificial Regeneration plantation were taken up in batch-II VSSs in Athamallik Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the FY 2020-21. Altogether 637 ha forest area under ANR plantation, 113 ha area under AR plantation and 187 ha of private land were covered under Farm Forestry plantation during the year. More than 4,57,734 seedlings were planted in 43 VSSs during the year.

ANR Plantation

During 2020-21 under OFSDP-II, 20 ha. of ANR Plantation @200/ha. has been taken up in Nuagaon VSS of

Madhapur Range in Athamallik DMU with the active co-operation of the VSS members. The VSS has provided time bound support for this planting intervention. By their committed effort during plantation and post care activities 104 man-days have been generated. The survival rate of the plantation is observed as 98%. The average height of the plants is 4ft.

AR Plantation

During 2020-21 Nakatideul VSS of Athamallik DMU is covered in Batch -II under OFSDP-II. AR plantations taken up in 2 Ha of land and total of 5000 plants of different species have been planted within the intervention area. 208 man-days have been generated and plant survival status is above 96%.



Farm Forestry

This programme started in 18 VSSs of Batch-I in an area of 186.92 ha. in first phase, Beneficiaries have accepted Mixed Model(Saguan, Eucalyptus, Mango), Timber model (Saguan), Horti-NTFP model (Mango & kaju) & Pulp-wood model (Eucalyptus) basing upon their priorities. In Aida VSS total number of 40 beneficiaries have been covered under the scheme where in plantation has been done in 24.98 ha.



BARIPADA

Plantations like Assisted Natural Regeneration (ANR) and Artificial Regeneration plantation were taken up in batch-II VSSs in Baripada Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the FY 2020-21. Altogether 120 ha forest area under ANR plantation, 126 ha area under AR plantation and 55 ha of private land under Farm Forestry were covered for plantation during the year. More than 2,21,480 seedlings were planted in 75 VSSs in 2020-21.

ANR Plantation

Kuamara VSS is one of the active VSSs of Udala FMU under Baripada Forest Division which is being taken in Batch-II VSS under OFSDP-II. The VSS protects the Reserve Forest which is mainly covered by Sal trees. Out of 73.24 Ha. assigned area, 9.0 Ha. was found degraded forest in site specific planning for taking up plantations under AR (Fuel & Fodder). After completion of 0th year operations like survey demarcation & pillar posting, site preparation, alignment & stacking and digging of pits @2500 pits/per ha. The VSS completed 1st year operation like fencing, planting of seedlings, SMC etc. In this process, Kuamara VSS have generated 1281 man days for 0th & 1st year operation during the pandemic period. VSS planted seedlings with 100% survival.

In Batch –II ANR @ 200 plantation taken up in Baripada DMU in 120 ha areas and total 24,000 seedlings have been planted. In Dinabandhupur VSS, selected under OFSDP-II, out of the 53.82 Ha. assigned area, 10.00 Ha. was found degraded forest in site specific planning for taking up plantations under ANR with Gap-200. After completion of 0th year operations like survey demarcation & pillar posting, site preparation, alignment & stacking and digging of pits @200 pits/per ha. In this process, Dinabandhupur VSS have generated 790 man days for 0th & 1st year operation during the pandemic period.





Farm Forestry

Itamundia VSS under Dukura FMU of Baripada Forest Division has 242 households with 1467 population in the VSS. The total assigned area of VSS is in 143 ha of Itamundia Reserve Forest. During micro plan preparation total 24.28 ha land of 59 beneficiaries were selected under farm forestry. Forest species like Acacia is planted under Pulp wood model in 16.08 hectares, which was supplied by Avanta Agritech Ltd, Jeypore and Teak seedlings planted under Timber wood model in 8.2 ha. Farm Forestry plantations generated 851 man days and villagers are benefitted during Covid-19 situation. All technical support such as site clearance, alignment and stacking, pitting, planting and manuring work carried out under direct supervision by the member secretary of the VSS. Survival rate of plantation is 100% in this VSS.



AR (NTFP) Plantation

The assigned area of the Paktia VSS of Bangiriposi FMU under Baripada Division is 161.98 ha and these areas are earmarked in Dahipahadi Reserve Forest. Out of the total assigned area, 21 ha. was found degraded forest in site specific planning and earmarked for plantations under AR mode. Among these, 16 ha NTFP and 5 ha Fuel Fodder plantation planned to be taken up in the year 2020-21. In this process, Paktia VSS planted 6400 seedlings of NTFP species like Amla, Harida, Bahada, Neem, Mahua & Karajna etc in 16 ha and 12500 seedlings of Fuel Fodder species like Acacia in 5 ha. Plantation activities generated around 1771 nos. of man days which supported the community for livelihood during the pandemic. The survival rate is 100% in case of plantation varieties.



BOUDH

Plantations like ANR with Gap, AR were taken up in batch-II VSSs in Boudh Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the FY 2020-21. Altogether 530.3 ha forest area under ANR plantation, 60.9 ha area under AR plantation and 209 ha of private land under Farm Forestry were covered for plantation during the year. More than 4,95,194 seedlings were planted in 40 VSSs during the year.

ANR Plantation

The Baradipadar Vana Surakhya Samiti (VSS) of Kantamal Range has been assigned 128.97 Ha. area during constitution of VSS. In order to restore the degraded forest area afforestation activities under different components such as 10 Ha. ANR @400 plants & 5 ha. ANR @800 plantations taken place under plantation activities.

Fencing and monitoring has been taken up by the VSS during the 2020-21. The average height of the plant is 4ft now and the survival rate is 100%.

AR Plantation





Tilkamal Village in Kantamal Block having 86 nos. of household are associated with the VSS activities. Under OFSDP-II, the VSS has been assigned 175.64 Ha of forest area. Under the plantation head, the Tikamal VSS has completed plantation activities under different components. The Fuel Fodder plantation taken up in 3 ha under Artificial Regeneration category is very impressive.



KARANJIA

Plantations like Assisted Natural Regeneration (ANR) and Artificial Regeneration were taken up in batch-II VSSs in Karanjia Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the FY 2020-21. Altogether 807 ha forest area under ANR plantation, 32 ha area under AR plantation and 168 ha of private land under Farm Forestry were covered for plantation during the year. More than 3,52,105 seedlings were planted in 37 VSSs during the year.

AR Plantation



ANR Plantation

The survival rate of the ANR plantation taken up across the project villages during 2020-21 is 100%. VSSs members from each batch-II VSS took active participation in deciding to protect and manage the forest assigned to them. The villagers in consultation with forest officials decided the sites to be taken up plantation. They have also actively associated in selection of seedlings, taking of pitting, plantation of seedlings during the year. Plantation intervention in the project Division has generated about 36234 man-days to the villagers, which was reported to be highly essential to meet the basic need of the rural poor during the pandemic situation.

Under AR plantation, models like Fuel Fodder, NTFP and other Block plantation were taken up in Batch – II VSS. The site selection for AR plantation site was taken up in forest areas having the density is less than 10%, patches more than 1Ha. The survival rate of the AR plantation is 100%. Only the VSS members were entertained in the plantation activities. Total 5090 man-days have been generated.

Farm Forestry





The Farm Forestry activities were implemented among the interested beneficiaries those having private fallow land, to cover the tree areas under temporary fencing, to choose the plantation site in a patch of cluster

approach. The farm forestry beneficiaries have done the temporary fencing around the plantation site. The survival rate is more than 90%.

Plantation of different species under Karanja DMU

Plantation Type	Species Planted
Farm Forestry	Eucalyptus, Acacia, Lemon, Drumstick, Papaya, Guava, Mango, Amla, Teak, Gambhari, Sisoo, Mehogany, Cashew
ANR@ 200 Seedlings	1) Karanja, 2) Sirish, 3) Bad Chakunda, 4) Mahaneem, 5) Amla, 6) Khaira, 7) Kalasirisa, 8) Teak, 9) Arjuna, 10) Bahada, 11) Neem, 12) Jamu, 13) Gambhari, etc.
ANR@ 400 Seedlings	1) Karanja, 2) Sirish, 3) Bad Chakunda, 4) Mahaneem, 5) Amla, 6) Khaira, 7) Kalasirisa, 8) Teak, 9) Arjuna, 10) Bahada, 11) Neem, etc.
AR@ Fuel Fodder	1) Siris, 2) Maha Neem, 3) Bada Chakunda, 4) Kanchana, etc.
AR@ NTFP	1) Teak, 2) Karanja, 3) Jamu, 4) Bahada, 5) Amla, 6) Mahaneem, 7) Neem, etc.
AR@ Block	1) Sisu, 2) Mahaneem, 3) Karanja, 4) Jamu, etc.

DHENKANAL

Plantations like Assisted Natural Regeneration (ANR) and Artificial Regeneration plantation were taken up in batch-II VSSs in Dhenkanal Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the FY 2020-21. Altogether 732 ha forest area under ANR plantation, 155 ha area under AR plantation and 119 ha of private land under Farm Forestry were covered for plantation during the year. The ANR with gap of @200 seedlings, @400 seedlings and @800 seedlings per ha was taken in degraded areas of all the 27 VSS's. AR plantation was taken up in high degraded patches. More than 4,28,991 seedlings were planted in 45 VSSs during the year.

ANR and AR Plantation taken up in Sinkol VSS in Batch-II

Plantation work in Sinkol VSS in Batch -II of OFSDP-II under Dhenkanal DMU this year is very successful. The VSS has the total assigned forest area of 195.3 ha, where 50 ha. under ANR (ANR 200- 45 ha and ANR 800- 5 ha) and 7 ha. under AR (FF- 2 ha, & NTFP-5 ha) have been planted during the year 2020-21 which is a very successful plantation with the active cooperation of the VSS under JFM. 19,800 seedlings have been planted under above different plantation components where more than 2 ft height seedlings have been planted. The plantation survival is 98%. About 3020 man days have been generated where all the households of the village were engaged in wage labour. The various species of Kurum, Gambhar, Pansa,



Kasi, Phasi, Arjun, Harida, Mahanim, Bahada, Bela, Char as per the choice of the villagers have been planted within the VSS assigned forest area. The villagers as the member of VSS are protecting the VSS area and Plantation without allowing any sort of illegal felling /poaching and open gazing by the animals. Proper LBCD structures have been constructed by the villagers for conservation soil moisture within the forest assigned area and restriction of the soil erosion.

Farm Forestry Plantation

The Farm Forestry Plantation implemented in 18 of VSSs in Batch-I under FMU, Dhenkanal. 193 beneficiaries have undertaken such activity in their own farm lands. An area of 119.4 Ha with 51423 seedlings has been planted under farm forestry during the year 2020-21 in Dhenkanal. The major trees species planted are Teak, Eucalypts,



Mango, Cashew and Lemon etc. in private land enhancing their income and to increase the tree cover.

At Gajamara VSS, 9 beneficiaries are selected and total 3333 seedlings (Mango-243, Cashew-3090) planted in July 2020. The beneficiaries were provided with grafted seedlings and cost of pitting, planting & manuring cost by OFSDP-II under Farm forestry.

JHARSUGUDA

Plantations like Assisted Natural Regeneration (ANR) and Artificial Regeneration plantation were taken up in batch-II VSSs in Jharsuguda Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the FY 2020-21. Altogether 991 ha forest area under ANR plantation, 198 ha area under AR plantation and 103 ha of private land under Farm Forestry were covered for plantation during the year. More than 5,67,400 seedlings were planted in 66 VSS during the year.

ANR Plantation

Babuchipidhi VSS under Batch-II in FMU Bagdihi of Jharsuguda Forest Division is earmarked to protect the 127.14ha assigned forest area. The VSS committee raised species wise 2640 nos. of seedling including 10% casualty in the nursery. The committee members directly involved and monitored all the plantation work i.e site preparation,



digging of pits & plantation of seedlings etc. An ANR plantation (ANR 200) work was undertaken under OFSDP-II in 12-hectare land in 2020-21. Around 2400 seedlings including Neem, Karanja, Amla, Khaira, Sisua, etc. were planted. Now the VSS members regularly protecting the plantation site and the assigned area.

AR Plantation



Pakelkhol VSS designated under Batch-II of OFSDP in Bagdihi FMU of Jharsuguda Forest Division has 133 numbers of household and population of 506. The VSS has taken up AR plantation (Fuel Fodder) work under OFSDP-II in 10-hectare land in 2020-21 to meet the natural requirement of fuel, fodder, non-wood forest produce and small timber to the extent possible on a sustainable basis. Around 25,000 plants which includes Phasi, Gambhari, Neem, Bamboo, Siris, Badachakunda, Kanchan, Mahaneem, Khaira, Arjuna, Karanja, Bija, Amla etc. were





planted here. Despite the challenges due to heavy rainfall and sudden climate change with difficult terrain, the VSS members completed the plantation process within the estimated timeline. To gain community cooperation in protecting the forests, the forest department created employment opportunities and also, they were given

exclusive rights on all minor products. These includes collection of dry leaves and twigs, sal and kenduleaves, fruits like mango, jackfruit, kendu. Total 1677 nos of man days created for different activities such as nursery work, pitting work, planting work, fencing work etc. and got financial support during pandemic.

RAIRANGPUR

Assisted Natural Regeneration (ANR) plantations and Artificial Regeneration plantation were taken up in batch-II VSSs in Rairangpur Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the year. Altogether 2672 ha forest area under ANR plantation, 88 ha area under AR plantation and 80 ha of private land under Farm Forestry were covered for plantation during the year. More than 7,23,515 seedlings were planted in 80 VSSs during the year.



ANR Plantation

During 2020-21 under OFSDP-II, 106 ha. of ANR Plantation @200/ha. has been taken up in Dahupani VSS of Rairangpur Range along Jari RF with the active co-operation of the VSS members. The plantation is excellent and fencing has been done by VSS members voluntarily to

(AR) with 12500 plants have been taken up along with 45 ha. ANR gap plantation @ 200 seedlings in Tunguru RF with the active participation of the VSS members. The plantation is excellent and fencing has been done by VSS members voluntarily to protect the plantation from biotic interference. The species planted are Gambhari, Subabul, Ficus, etc. The average height of the plants is 5 ft. and survival percentage is 100%. No forest fire incident has been reported from this VSS for last five years.



Further various soil moisture conservation measures have been carried out by the VSS with LBCDs, staggered trenches, half-moon trenches etc. Many livelihood activities are also under progress with the support of line departments.

Farm Forestry

Under Farm Forestry, Rairangpur Division has covered 20 VSSs under OFSDP-II in 80 ha and total of 260

protect the plantation from biotic interference. The species planted are Arjun, Sisoo, Amla, Tamarind, Kusum, Sirish and Karanja. The average height of the plants is 4 ft. and survival percentage is 100%.

AR Plantation

Kalatak VSS VSS in Bisoi Range of Rairangpur Forest Division was allotted about 138.27 ha forest area under OFSDP-II. During 2020-21 under OFSDP-II, 5 ha. of Fodder & Fuel Plantation under Artificial Regeneration





beneficiaries are included in the plan. This fiscal total 47415 seedlings planted under this Farm Forestry in Rairangpur Divisions. Mr. Dhanusing Pingua, a tribal marginal farmer from Khejuripada VSS of Rairangpur DMU adopted NTFP and Horticulture model of Farm Forestry after mobilization by OFSDP field functionaries and motivation he agreed to adopt Farm Forestry with NTFP and Horticulture model. From his personal land holding of degraded fallow land, he started farm forestry in two acre. He planted 320 no of Grafted Mango seedlings supplied to

him free of cost. Further from the project side pitting, planting, fertilizer and pesticide costs were borne. Presently the plantation is very attractive and fencing has been erected by the farmer voluntarily to protect the plantation from biotic interference. He is continuing inter cropping with winter vegetables viz. brinjal, ladies finger, leafy vegetable etc. along with principal farm forestry crop. Farm forestry with intercropping expected to enhance sustainable livelihood besides rehabilitating the land fertility & productivity in long run.

SUBARNAPUR

Assisted Natural Regeneration (ANR) plantations and Artificial Regeneration plantation were taken up in batch-II VSSs in Subarnapur Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the year. Altogether 744 ha forest area under ANR plantation, 130 ha area under AR plantation and 140 ha of private land under Farm Forestry were covered for plantation during the year. About 5,95,271 seedlings were planted in 50 VSSs during the year.

ANR Plantation

Hatlimunda is an adjacent village of Chandili Reserve Forest having 23 households. Hatlimunda VSS was included in OFSDP-II and the assigned area of the VSS is 159.76 ha and the treatment area under plantation is 60 ha. After survey and demarcation, the VSS members decided to take up ANR plantation inside assigned area under Chandili RF in block mode. So the treatment area comprises 20 ha of ANR @ 200 and 40 ha of ANR @ 400. The treatment area was delineated by VSS members with technical support by project functionaries. In the first week of July, during 71st Van Mahotsav plantation work initiated in the presence of local Sarpanch, FMU Chief, VSS members and OFSDP staffs. Total 20,000 seedlings (ANR @ 200 - 4000 seedlings & ANR @ 400 – 16,000 seedlings) and species like Sisoo, Amla, Khair, B. Chakunda planted during 2020-21. Now the average height of the plants are 4 feet and the survival percentage is 100%.

AR Plantation

Baghapali VSS in Subarnapur Division under OFSDP-II is one VSS which has implemented plantation activities in the current year successfully. The assigned area of 49.53 ha is carved out of Badali RF under Joint Forest Management mode. After survey and

demarcation of the assigned area, the VSS members decided to take up block plantation (Artificial Regeneration) in 26 ha, out of which 20 ha fuel fodder and 6 ha NTFP plantation during 2020-21. Total 52,400 nos. (FF-50000 & NTFP-2400) of pitting in both sites completed by VSS members. In the first week of July plantation works started in Baghapali VSS. In fuel fodder, species like Sisoo, Gambhari, B. Chakunda, Babul, Khair, Bija, Siris, Arjun and in NTFP, species like Amla, Neem, Bahada, Mahul, Kusum, Tamarind, Mango, Jackfruit species have been planted. Now the average height of the plants are 4 feet and the survival percentage is about 98%.





Farm Forestry

The Divisional Management Unit Subarnapur has implemented 140.65 ha. of different models of farm forestry covering 25 VSS of Batch-I during 2020-21. As per the guideline on farm forestry under OFSDP, Phase II, there are three model has been finalized by the stakeholder i.e. 47.05 ha. of Agro-Horti - Silvi (Mixed) model, 4 ha. of Horti -

NTPF model and 89.6 ha. of field bond/Dyke model. The Project has provided plants, pitting & planting cost and site preparation and post planting operation such as weeding, soil working and whenever necessary fencing has been done by the farmers.

GHUMUSAR NORTH

Assisted Natural Regeneration (ANR) plantations and Artificial Regeneration plantation were taken up in batch-II VSSs in Ghumsur North Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the year. Altogether 390 ha forest area under ANR plantation, 17 ha area under AR plantation and 59 ha of private land under Farm Forestry were covered for plantation during the year. About 1,37,865 seedlings were planted in 46 VSSs during the year. The ANR with gap of @200 seedlings, @400 seedlings and @800 seedlings per ha was taken in degraded areas of all the 20 VSS's. AR plantation was taken up in only high degraded patches. The Farm Forestry plantation was taken up in the private land of 124 nos. of beneficiaries in 21 VSS out of Batch-I FMU.

ANR Plantation

Tirikupa VSS under Jagannath Prasad FMU of Ghumsur North DMU is a designated VSS of OFSDP-II. The assigned area of this VSS is 130.61 ha.

Afforestation activities taken up in Tirikupa VSS:

1. ANR without Gap plantation = 10 Hectare
2. ANR with gap plantation @ 200 / Hectare = 18 Ha.
3. ANR with gap plantation @ 400 / Hectare = 10 Ha.
4. ANR with gap plantation @ 800 / Hectare = 2 Ha..



A total of 10,120 nos. of seedlings have been planted in the said area as per the choice of the VSS members. The 0th year plantation activities were being carried out during COVID-19 pandemic situation which was the only source of income for all the VSS members. A total of 1232 nos. of mandays have been generated till first weeding, soil working & manuring in the said VSS.

AR Plantation

The assigned area of Landehill VSS is a hilly area having an area of about 100 Ha. and survey area being 81.23 Ha. VSS decided and took up AR plantations of fodder plants and as per specifications of species, plantation was completed of about 12,320 nos. of indigenous plants. This is done as per the site requirement.





Both polypot and hycopot seedlings have been planted keeping in view the site condition and soil quality.

Farm Forestry

Under OFSDP-II project, Farm forestry has been successfully implemented over 58.9 Ha. of land in different model of farm forestry and reached out to 127 farmers of

1st batch FMU i.e. Mujagada FMU of Ghumsur North DMU. The agricultural set up is deteriorating due to lack of earnings, erratic rainfall, small and fragmented land holdings, over dependency on forest and excessive use of chemicals. The goal of OFSDP-II is to turn this around by spreading the word sustainable and modern farming practice like Farm forestry.

GHUMUSAR SOUTH

Plantations like Assisted Natural Regeneration (ANR) and Artificial Regeneration were taken up in batch-II VSSs in Ghumsur (South) Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the year. Altogether 414 ha forest area under ANR plantation, 100 ha area under AR plantation and 140 ha of private land under Farm Forestry were covered for plantation during the year. About 2,62,840 seedlings were planted in 40 VSSs during the year. The ANR with gap of @200 seedlings, @400 seedlings and @800 seedlings per ha was taken in degraded areas of all the 20 VSS's. AR plantation was taken up in degraded patches. The Farm Forestry plantation was taken up in the private land of 363 nos. of beneficiaries in 20 VSS out of Batch-I FMU

AR Plantation

Dhepapalli VSS under Suroda FMU of Ghumsur South Division were covered under OFSDP during its 2nd batch intervention. During COVID-19 Pandemic Situation the daily wage labour did not get the work and used to face severe problems to manage the family. In this situation the plantation activities under OFSDP-II provided the employment and income source.

Based on the availability of space for treatment, Block plantation to the tune of 10 ha was taken up during 2020-21. For pitting and planting work total 2714 mandays was generated and a worth of Rs8,08,772.00 was earned by the poor household of the VSSs as means of survival during the pandemic situation. Total 31200 no's of various seedlings were planted in the VSS assigned area. The Plantation survival rate is 100%. and properly maintained by the VSS members with the overall guidance of the project staff. Strong surveillance of DMU, FMU officials helped to motivate the villagers to take up the plantation work in time and to protect the seedlings with proper fencing through their own contribution.

ANR Plantation

Sandeipur VSS under FMU Buguda of Ghumsur DMU has completed plantation of ANR with Gap-400 over

10 ha area. Presently the growth of the seedling is good and mortality is more than 95% and the causality replacement also done in 2020-21.

Farm Forestry

As part of Farm forestry programme 22 farmers are selected by subcommittee of the VSS for interventions in 8.675 ha. of land. Sri Sarata Chandra Pradhan is one of the prominent beneficiary of farm forestry among 22 farmers of the VSS. in 0.4 ha. land he has implemented the Hort-NTFP model farm forestry activity with grafted horticulture plants of Mango -80 and Cashew. He has cultivated different varieties of vegetable seeds like Brinjal, Cucumber, Cowpea, Green Chili in intercropping in the above field.





SAMBALPUR

Assisted Natural Regeneration (ANR) plantations and Artificial Regeneration plantation were taken up in batch-II VSSs in Sambalpur Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the year. Altogether 595 ha forest area under ANR plantation, 105 ha area under AR plantation and 369 ha of private land under Farm Forestry were covered for plantation during the year. About 6,20,453 seedlings were planted in 20 VSSs during the year. The ANR with gap of @200 seedlings, @400 seedlings and @800 seedlings per ha was taken in degraded areas of all the 20 VSS's. AR plantation was taken up in degraded patches. The Farm Forestry plantation was taken up in the private land of 550 nos. of beneficiaries in 43 VSSs of Batch –IFMU.

The forest assigned to the Bandijharan VSS has been a source of livelihood for more than couple of decades. The VSS members collect NTFP like broom, sal leaf etc. from the forest and sell them in the market for sustained livelihood.

ANR Plantation

The VSS has been assigned an Area of 58.10Ha. However, based on the availability of degraded sites, 35 ha of ANR with 200 seedlings have been planted in this VSS. Similarly, 10 ha of forest land has been treated with ANR without gap during the year. About 7000 seedlings of have



been planted under ANR component. Growth and survival rate of seedlings planted is quite satisfactory.

AR Plantation

Plantation taken up for AR (Fuel& Fodder) in 2 ha and AR (NTFP) in 2 ha in the VSS area. Total 5800 seedlings of different species planted under AR plantation.

Farm Forestry

Under Farm Forestry, Sambalpur Division has covered 43 VSSs under OFSDP-II in 369 ha in this fiscal of 2020-21. Total of 550 beneficiaries are included in the plan. This fiscal total 242153 seedlings planted under this Farm Forestry in Sambalpur Division.

Species planted are:

- For ANR@200 plants/Ha: Khaira, Panas, Amala, Arjun, Neem, Karanja, Phenaphena, Jamu, Sal, Sisoo, Mahogany
- For AR (Fuel&fodder): Siris, Gambhar, Asan, Arjun, Karanja, Moi, etc.
- For AR (NTFP): Khaira, Mahula, Amla, Tentuli, Neem, Mango, etc.

Total 12, 800 nos. seedlings have been planted under the plantation programme of 2020-21 under OFSDP-II. The Forest is growing well and 99% of Survival of the Plantation has been observed.



SUNDERGARH

Plantations like Assisted Natural Regeneration (ANR) and Artificial Regeneration were taken up in batch-II VSSs in Sundergarh Forest Division during the FY 2020-21, whereas, Farm Forestry plantation for batch-I VSSs were taken up during the year. Altogether 1784 ha forest area under ANR plantation, 317 ha area under AR plantation

and 197 ha of private land under Farm Forestry were covered for plantation during the year. About 11,77,228 seedlings were planted in 90 VSSs during the year. The ANR with gap of @200 seedlings, @400 seedlings and @800 seedlings per ha was taken in degraded areas of all the 60 VSS's. AR plantation was taken up in degraded



patches. The Farm Forestry plantation was taken up in the private land of 354 nos. of beneficiaries in 30 VSSs of Batch –IFMU.

ANR Plantation

The Gundidihi VSS of Lephripara FMU in Sundergarh Division has taken up 30 ha for forest treatment area. In order to restore the degraded forest area afforestation activities under different components such as 30 Ha. ANR @400 plants taken place under plantation activities. Fencing and monitoring has been taken up by the VSS during the 2020-21. The average height of the plant is 4ft now and the survival rate is 95%. Total 300 mandays created by the VSS for this plantation activity under non-JFM mode. Species such as Neem, Karanj, Bahada, Kanchan, Sisirs, Sisio, Chakund, Raintree Subabul etc were planted.

AR Plantation

Raichuan VSS under Hemgir FMU in Sundergarh Division taken up AR plantation in 6 ha area under OFSDP-II. To increase the forest cover in the degraded forest area, VSS has completed plantation activities under AR-NTFP

with different species such as Mango, Tamarind, Amla, Karanj, Ritha, Khair, Bahada, etc. The AR NTFP plantation in 6 ha is very impressive.

Farm Forestry

Under Farm Forestry, Sambalpur Division has covered 30 VSSs under OFSDP-II in 197 ha in the fiscal of 2020-21. Total of 354 beneficiaries are included in the plan. This fiscal total 160128 seedlings planted under this Farm Forestry in Sundergarh Division.



Glimpses of various Plantation Activities under different DMUs



Timber model under Farm Forestry in Aida VSS of Athmallick DMU



Pulpwood model under Farm Forestry in Aida VSS of Athmallick DMU



ANR Plantation in Karanjia DMU



AR Plantation in Athamallick DMU



ANR Plantation in Sambalpur DMU



AR Plantation in Subarnapur DMU



ANR Plantation in Baripada DMU



AR Plantation in Baripada DMU



AR Plantation in Rairangpur DMU



AR Plantation in Ghumusar South DMU



Joining of New Additional Project Director (Admin & Finance) at PMU, OFSDP

Shri Prem Kumar Jha, IFS (1993 batch) has taken additional charge of Additional Project Director on 6th July 2020 after the transfer of Mrs P.Z. Mekro, IFS from this post. Shri Jha is 1993 batch IFS officer.



Meeting of the High Power Committee of OFSDS

The meeting of the High Powered Committee was held through Video-Conference at 4pm of 20th July, 2020. The Chief Secretary, Odisha & the Chairman of the Committee reviewed the activities of OFSDP and AJY. The Development Commissioner, Additional Chief Secretary of Forest & Environment Department and all other members of HPC participated in the meeting. PCCF & PD, OFSDP presented the achievements of OFSDP and AJY during the year 2019-20. He also presented the work programmes and financial budget of OFSDP and AJY for the year 2020-21 which were discussed and approved in the meeting.

OFSDP Conducted Online Orientation Training for DFOs through Video Conference

Orientation training for DFOs of OFSDP-II Divisions was organised at PMU, OFSDS on 24th August 2020. This was organised to give an overview of the project and impart orientation training to newly joined DFO-cum-DMU Chiefs of OFSDP-II Project Divisions.

The PCCF & PD, OFSDP briefly explained the project objectives, modalities of implementation and asked the DMU Chiefs to take sincere steps to achieve the component wise target of the Divisions in this challenging times.

During the orientation programme Additional Project Director (IME), Additional Project Director (A&F) and State Programme Manager (SPMs) briefed the DFOs about various activities, Livelihood Improvement, Capacity Building and concurrent monitoring and evaluation through GIS platform.

The newly joined DMU Chiefs of Jharsuguda, Dhenkanal, Athamallik, Karanjia, Baripada along with DMU Chiefs of Subarnapur and Ghumusur (North) participated in the orientation training programme.

Review Meeting organized through Video Conference



A meeting to review the progress of work in the OFSDP, Ph-II project divisions was convened on 26th August 2020 at NIC, Bhubaneswar through video conferencing. The meeting was Chaired by Dr Sudarsan Panda, IFS, PCCF and Project Director, OFSDP.

Project Director, OFSDP urged all the DFO-cum-DMU Chiefs for optimal utilization of the resources of the project for the timely implementation of project activities. He also reviewed the quarterly progress of activities during April to June quarter of 2020.

As per the implementation plan and review programme, component wise physical and financial progress of work of each division were reviewed by PCCF & Project Director.

The meeting was attended by DFO-cum DMU Chiefs of all the 12 project divisions of OFSDP namely, Athamallik, Baripada, Boudh, Dhenkanal, Ghumusur (North), Ghumusur (South), Jharsuguda, Karanjia, Rairangpur, Sambalpur, Subarnapur, Sundergarh, Bamra (Wildlife). The RCCFs of Angul, Sambalpur, Berhampur, Rourkela also gave their valuable inputs during the review meeting. Additional Project Director (A&F), DPD (A&F), SPM (C&ID), SPM (LLI & Convergence) from PMU participated in the review meeting.

NEW FACILITIES TO HOUSE LIVELIHOOD RESOURCE CENTRE

The newly constructed building of Livelihood Resource Centre (LRC) under Odisha Forestry Sector Development Project was inaugurated on Monday 14th September 2020 by PCCF & PD, OFSDP. The building is being built to facilitate the livelihood activities undertaken by the Phase-II of Odisha Forestry Sector Development Project.

This building plans to accommodate the Cluster Managers of Livelihood Resource Centre who are engaged to initiate and manage the cluster based livelihood activities under the project in close coordination with OFSDP-II Project Forest Divisions. This building will also accommodate the GIS unit of OFSDS and it would be functional from here. While inaugurating the new building, PCCF & Project Director wished the new infrastructure created at the Project Management Unit would be instrumental in promoting small Income Generating Activities (IGAs) by involving women Self Help Groups (SHGs) and Poorest of poor Households in the project villages as proposed under OFSDP-II and the mission mode approach on livelihood promotion will be adopted through this dedicated Livelihood Resource Centre (LRC). He also underlined, LRC will be strengthened to ensure continuous and long term hand holding support to SHGs and clusters for sustainability under OFSDP. During the inauguration of LRC building, APD(A&F), DPD (A&F), all State Programme Managers, staffs of PMU and PMC were present.



Please send your comments and inputs to:

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