



Status Report of Forest Nurseries as on 2020-21



Research and Extension
Forest and Environment Department
Government of Sikkim

Status Report of Forest Nurseries as on 2020-21



**Prepared by:
Research and Extension Cell
Forest and Environment Department
Government of Sikkim**

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Forest Nurseries of Sikkim visited by:

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(Research and Extension)
and his team

Robish Pradhan
(Tour Incharge)
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Passang Dawa Tamang

PREFACE

In Sikkim, over 84% of 7096 km² of its total geographical area is under the administrative control of the Forest and Environment Department. In addition, hundreds of forest nurseries ranging from standard to semi high-tech nurseries are under our control. As a forester we have the huge responsibility to safeguard the state forest and its denizens. Thus, to have a healthy forest we require good quality planting stock, good soil elements, water availability and trained manpower, nurturing and monitoring.

In the above context, this report has in-depth information on Sikkim Forest Nurseries as on year 2020-2021, current strength and constraints. It also has humongous information on soil and water health.

Thus this book will not only be useful for department to develop action plan to upgrade the existing nurseries but will also be useful for researchers, students, academicians and citizens interested in nurseries practices.

I welcome healthy constructive criticism and suggestion about the book so that we can come up with the next series in the coming year.



Mr. Y. P Gurung, IFS
Chief Conservator of Forest (HQ)
Forest and Environment Department
Government of Sikkim.

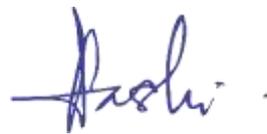
ACKNOWLEDGEMENT

Research and Extension team would like to express sincere gratitude to **Shri. Karma Loday Bhutia**, Hon'ble Minister of Forest and Environment Department for his immense guidance throughout. We are also very grateful to Principal Secretary -cum-PCCF for his valuable suggestions and encouragement.

We would also like to thank Principal Scientist Dr. Durga Pradhan (HARC) for providing laboratory support for soil and water analysis.

We would also like to extend our gratitude to CAMPA for providing necessary financial support.

Finally, the research team wish to express appreciation to all the nurseries staff and officials for their valuable time and discussion.



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INTRODUCTION

The state of Sikkim has highest forest cover in the country encompassing diverse habitats with exceptional biodiversity. The recognition of highest forest cover in the state is closely attributed to healthy saplings in the forest nurseries that are under the administrative control of the Forest and Environment Department. The initiative such as “A day for Mother Earth” has been very successful in gathering immense people participation throughout the state to contribute for the mother earth and reduce the carbon emission. This report contains in - depth detailing on nurseries soil and water health. In addition, a report also has strength and constraints of the nursery sites.

The field studies were carried out from the tropical to alpine zones where by the gradients of the vegetation changes with micro climatic behaviours. There are many edaphic factors which rule the ground of vegetation; hence it needs a lot of calibrated knowledge which are acquired by numerous research and experiments.

METHODS

Field surveys were carried out to the different forest nurseries sites spread across Sikkim along the altitudinal gradient with the research team and undertaken the following activities:

1. Interactive discussion with the field expert and nurseries staffs regarding the strengthening, weakness, opportunity and threats.
2. Collection of water and soil sample to examine the health of the nurseries from the nurseries sites.
3. Laboratory analysis of the water and soil samples following the IS protocol.
4. Statistical data analysed from the primary data and secondary data and report preparation.

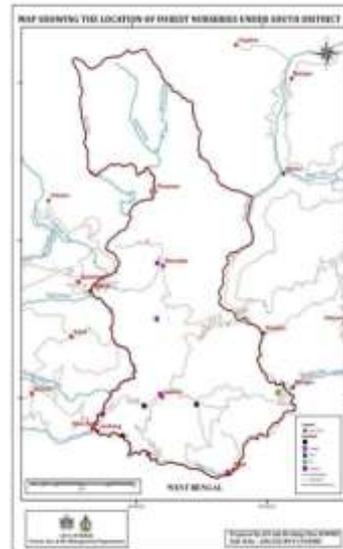
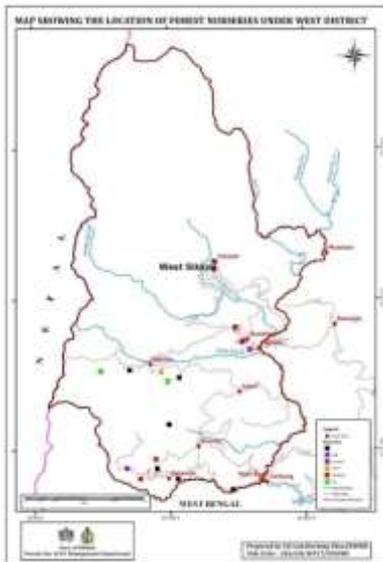
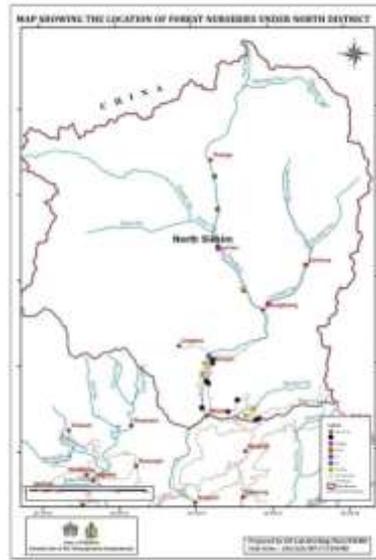
SECTION I: FIELD JOURNALS

GPS Coordinates of Nurseries and Mapping

Table 1: GPS Coordinates of Sikkim Forest Nurseries								
Sl. No	Name of the Nursery	Latitude			Longitude			Altitude (m)
Nurseries in the Tropical Belt (<1500 m)								
1.	Melli I (T)	27	05	06.9	88	26	57.2	296.4
2.	Kaluk(T)	27	14	02.6	88	15	34.1	1493
3.	Hee-kyangbari (T)	27	14	44.3	88	10	52.8	1376
4.	Gyalshing I (T)	27	17	10.2	88	15	33.3	1465
5.	Sherathang (T)	27	16	36.1	88	16	05.8	893.9
6.	Saagbari (JICA)	27	15	37.9	88	17	54.5	547.9
7.	Kamdalley (T)	27	09	34.6	88	20	30.8	1329
8.	Mamring I(NTFP)	27	10	02.4	88	31	03.3	493.2
9.	Mamring II (T)	27	10	09.9	88	31	11	439.8
10.	Mamring III (NTFP)	27	10	10.3	88	31	04.5	453.1
11.	Mamring IV (Sericulture)	27	10	19.2	88	31	16.1	450 m
12.	Bega (Env&SC)	27	11	36.0	88	29	47.7	350.9
13.	SalingeyBagey (S/F)	27	11	44.4	88	29	41.4	355.1
14.	Tingchim(T)	27	51	52.8	88	33	05.6	1081
15.	Kabi Loop(T)	27	24	38.1	88	37	41.3	1410
16.	Rafom(T)	27	30	07.0	88	32	28	1231
17.	Ringdang (T)	27	31	23.2	88	32	43.9	927.3
18.	Namphrikdang I (S/F)	27	30	55.9	88	31	59.3	752
19.	Namphrikdang II (KNP/KBR)	27	30	58.3	88	32	01.0	745.3
20.	Hee-gyathang I (T)	27	28	44.9	88	31	09.2	1120
21.	Hee-gyathang II (Env&Sc)	27	28	48.3	88	31	13.5	1066
22.	Phidang(Env&SC)	27	24	32.8	88	31	05.8	556.4
23.	Labarbotey (S/F)	27	24	54.7	88	31	01.9	606.2
24.	Sang Chamkhang(T)	27	15	13.5	88	30	24.4	1429
25.	Dipudara(Env&SC)	27	15	00.9	88	28	11.2	496.4
26.	Chewaribotey (Env&SC)	27	12	02.8	88	31	45.6	795.6
27.	Zitlang(Env&SC)	27	10	48.3	88	31	58.	437.5
28.	Rongli (Env&SC)	27	12	14.1	88	42	05.1	819.6
Nurseries in the Temperate Belt (1500 m- 3000 m)								
1.	Okhrey (T)	27	09	27.1	88	0	13.6	2444
2.	PhaygimboteyRumbuk (T)	27	09	21.5	88	09	08.0	1521
3.	Buriyakhop(T)	27	11	38.3	88	10	03.0	2071
4.	Ridge Park Soreng (T)	27	10	22.9	88	12	12.5	1637
5.	Nunthalay (W/L)	27	14	31.9	88	10	02.9	2241
6.	Tersey (W/L)	27	15	39.5	88	05	43.8	2258
7.	Bega (Env&SC)	27	15	18.2	88	07	10.9	1883
8.	Tikjuk (Env&SC)	27	18	06.3	88	15	01.3	1966

9.	Ravangla (T)	27	18	26.9	88	21	54.9	2084
10.	RalongDeorali (W/L)	27	19	50.1	88	21	17.7	2254
11.	Rayong (T)	27	14	52.6	88	21	49.2	2091
12.	ManiramBhanjyang (T)	27	09	25.7	88	24	47.7	1520
13.	Namsing (NTFP)	27	23	36.6	88	38	27.3	1554
14.	Tingda (NTFP)	27	23	25.1	88	37	59.1	1569
15.	Chewang (T)	27	25	47.5	88	35	39.1	1611
16.	Phodong(T)	27	24	27.8	88	34	25.5	1672
17.	MensithangI (KNP/KBR)	27	38	39.4	88	36	36.1	1898
18.	Mensithang II (T)	27	38	34.2	88	36	43.3	1906
19.	Bop (Env & Sc)	27	37	00.3	88	39	53.7	1722
20.	Pharey (T)	27	41	25.1	88	44	42.4	2643
21.	PangthangI (NTFP)	27	22	20.5	88	34	45.9	1900
22.	PangthangII (W/L)	27	22	22.4	88	34	45.3	1903
23.	Smritivan(FCA)	27	21	46.3	88	37	47.9	1939
24.	Likchu (W/L)	27	17	23.7	88	32	37.6	1569
24.	Samsing (Env&SC)	27	15	58.8	88	30	19.4	1549
26.	Chamkhang (T)	27	16	47.4	88	30	33.6	1665
Nurseries in the Alpine Belt (>3000 m)								
1.	ThanguNursery (NTFP)	27	51	51.5	88	33	01.5	3688
2.	15 th Mile Kyongnosla (NTFP)							3020
Source: <i>Research and Extension/F&ED/GOS</i>								





Pictures: Distribution of Forest Nurseries in Four Districts of Sikkim

CONTENT:**FOREST NURSERIES ALONG THE ALTITUDINAL GRADIENT****I. Forest Nurseries in the Tropical Belt (<1500 m)**

- I. Past Status
- II. Present Status
- III. Constraints
- IV. Soil and Water Analysis Results

II. Forest Nurseries in the Temperate Belt (1500 m to 3000 m)

- I. Past Status
- II. Present Status
- III. Constraints
- IV. Soil and Water Analysis Results

III. Forest Nurseries in the Alpine Belt (> 3000 m)

- I. Past Status
- II. Present Status
- III. Constraints
- IV. Soil and Water Analysis Results

I. Forest Nurseries in the Tropical Belt (<1500 m)

1. Melli (T)		Altitude: 296.4 m			
Name of the Nursery	Area	District	Status of Land		
Melli- I (T)	1 Ha	South	Forest		
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Lampatay, Teak, Pakhasaj, Panisaj, Tanki, Benganbellia, Jamun	Kerabari	22	Cow-dung, Forest Litter	35,000-40,000	Dept. Public Plantation
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Lampatay, Teak, Pakhasaj, Panisaj, Tanki, Bagonvallia, Jamun	Kerabari, Malbassey, Payong	22	Cow-dung, Forest Litter	45,000- 50,000	Dept. Public Plantation
Water Sources: TanumKhola					
Constraints:					
1. Wild Animal Menace 2. Irrigation Facilities/ Water Scarcity					
Nursery In-charge: Mr. Gangan Rai (Head Mali)					
Office- Incharge: Mr. John Rai, BO Melli(T), Mobile 8016167410					
Manpower: Hem Maya Rai, Kumar Tamang, Raghu Maya Rai, Chandra Mani Rai, Raju Rai					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)		Potassium (%)	
930	0.47	0.52		0.15	



02. Kaluk (T)			Altitude:1493 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Kaluk (T)	1 Ha	West	Forest	145	6X4, 7X4, 10X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Bamboo,OkharLapsi, Kaizal,Aru,Uttis, Nabera	Forest and Village	320	Cow dung, Forest litter	1.8 lakhs	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Phumsi,Nebara,Okhar,Gogun,Panisaj,Khasray, Neempati,Khanew, Kimbu,Dhupi, Naspati,Cherry, Aru	Forest and Village	320	Cow Dung, Forest litter	1.8 lakhs	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: OkharBotayKholso					
Constraints:					
1. Irrigation Facilities 2. Fertilizer					
Nursery In-charge: Mr. kalu Tamang, Mr.Birkha Bahadur ; Mobile:959337804					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
923	0.45		0.49	0.15	



03. Hee-kyangbari (T)				Altitude: 1376 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
HeeKyangbari (T)	1 Ha	West	Forest	300	16X4, 30X4, 10X3, 49X4, 24X4, 20X4, 14X4, 6X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Panisaj, RaniChamp, Phumsi, Cherry, Gurans, Lapsi, Okhar, Arupatay, Medicinal Plants, Pakhanbed, Betlauri, Aloe Vera, Harra, Barra, Nakima	Forest and Village	320	Cow dung, Forest litter	75,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Bantey, Pataley Lapsi, Okhar, Pipli, RaniKhola, ZakriKawlo (Aageri) Cheuri, KaiJal, Panisaj, Pumsi, Bakaino	Forest and Village	320	Cow Dung, Forest litter	1.5 lakhs	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: Mi Khola, Bir Khola					
Constraints:					
1. Irrigation Facilities 2. Fertilizer, Toolkits					
Nursery In-charge: Mr. Buddhi Man Limboo; Mobile: 9593261676					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
932	0.54		0.47	0.14	



04. Gyalshing-1 (T)				Altitude: 1465 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Gyalshing -1(T)	0.5 Ha	West	Forest	55	27X4,10X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Pipli,RaniChamp, Panisaj,Pumsi,Baar, Badar,Katar,Nebara, Arupatay,Thuja	Forest and Village	115	Cow dung, Forest litter	50,000-60,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Pipli,Panisaj, Katar, Arupatay,Thuja,Ambak, Tarpin	Forest and Village	55	Cow Dung, Forest litter	90,000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: PHE Supply Khola					
Constraints:					
1. Irrigation Facilities					
Nursery In-charge: Mr. P.O. Sherpa; Mobile: 7031601371					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
948	0.46	0.45	1.13		



05. Gyalshing-2 (Env &SC)			Altitude: 1420 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Gyalshing -2(Env &SC)	2.5 Ha	West	Forest	300	27X4,10X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Panisaj,Dupi,Ranichamp,Kaizal,Chakrasay,Uttis, Malagiri,Guava, Badar,Nebara, Bangey,Ritta	Forest and Village	115	Cow dung, Forest litter	30,000-40,000	Dept., Public, Schools, Monasteries, Green Mission
Prasent Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj,Dupi,Ranichamp,Kaizal,Chakrasay,Uttis, Malagiri,Guava, Badar,Nebara, Bangey,Ritta. Okhar, Naspathey, Ambak	Forest and Village	55	Cow Dung, Forest litter	60,000-70,000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: JhorKholsa					
Constraints:					
1. Irrigation Facilities, 2. Fertiliser, 3. Toolkits					
Nursery In-charge: Smt. BishnuMaya; Mobile: 9732401335					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
947	0.45		0.45	1.5	



06. Saagbari (T)			Altitude: 547 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Saagbari (T)	1.5Ha	West	Forest	280	8X4,6X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj,Lampatay, Jharul,Katar, Baser, Cherry	Forest and Village	84	Cow dung, Forest litter	70,000-80,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj,Jarul, Cherry, Lampatay	Forest and Village	84	Cow Dung, Forest litter	70,000-80,000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: Chum PaniKhola					
Constraints:					
1. Toolkits					
Nursery In-charge: Mr. Budda Bir Subba (B.O), Mob:9593754135; Mr. Dowchow Lepcha					
Result of Nursery Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
922	0.51	0.44	0.15		



07. Mamring 1 (NTFP)				Altitude: 493.2 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Mamring 1	1 Ha	South	Forest	220	15X4, 15X3, 20X4,20X3,10X3
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Badar, Harra, Barra, Amala, Ritha, Totala, Gurjo, Aloe Vera, Tulasi, Haledo	Jungle	180	Cow-dung and Forest litter	80,000 to 90,000	Dept., Public Plantation
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Badar, Harra, Barra, Amala, Ritha, Totala, Gurjo, Aloe Vera, Tulsi, Haledo	Jungle	180	Cow-dung and Forest litter	75,000 to 80,000	Department
Water Sources: DharayKholasa					
Constraints:					
1. Irrigation Facilities/ Water Scarcity					
Nursery In-charge: Mr. Tulshi Chettri, Mobile: 9749661631					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
982	0.49	0.44	0.15		



08. Mamring II (T)				Altitude: 439 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Mamring II (T)	1 Ha	South	Forest	220	15X4, 15X3, 20X4,20X3,10X3	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply	
Okhar, Lapsi, Panisaj, Bhadrasay, Khamari, Lampatay, Bar-Pipal, Chekrasay, Ritha, Kaijal, Jamuna, Ambak, Katahar, RaniKhaneu	BagayKhola Jungle	93	Cow-dung and Forest litter	1,50,000	Dept., Public Plantation and School	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Okhar, Lapsi, Panisaj, Bhadrasay, Khamari, Lampatay, Bar-Pipal, Chekrasay, Ritha, Kaijal, Jamuna, Ambak, Katahar, Rai Khaneu	BagayKhola Jungle	93	Cow-dung and Forest litter	1,50,000	Dept., Public Plantation and School	
Water Sources: NarakJhora, Near Namthang						
Constraints:						
1. Irrigation Facilities/ Water Scarcity 2. Toolkits Shortages 3. Shortage of Manpower						
Nursery In-charge: Mr. Ganesh Chettri, Mobile: 7407114815						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)	
981	0.48		0.46		0.15	



09. Mamring III (Env. & Soil Conservation)				Altitude: 453 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Mamring III	0.5 Ha	South	Forest	50	15X4, 15X3, 20X4,10X4, 10X3
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Okhar, Lapsi, Ambak, Katahar, Bougainvillea, Nebaro, Lalpati	Jungle	40	Cow-dung and Forest litter	20,000-30,000	Dept.,Schools and Pharma Companies
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Totala, Pakhasaj, Lapsi, Panisaj, Katahar, Bougainvillea, Nebaro, Ambak	Jungle	50	Cow-dung and Forest litter	20,000-30,000	Dept.,Schools and Pharma Companies
Water Sources: DhaurayKholsa					
Constraints:					
1. Irrigation Facilities/ Water Scarcity 2. Toolkits shortages 3. Shortage of Manpower					
Nursery Caretaker: Mr. Ranjan Chettri (Mali), Mobile: 9933326266					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
983	0.47	0.47	0.16		



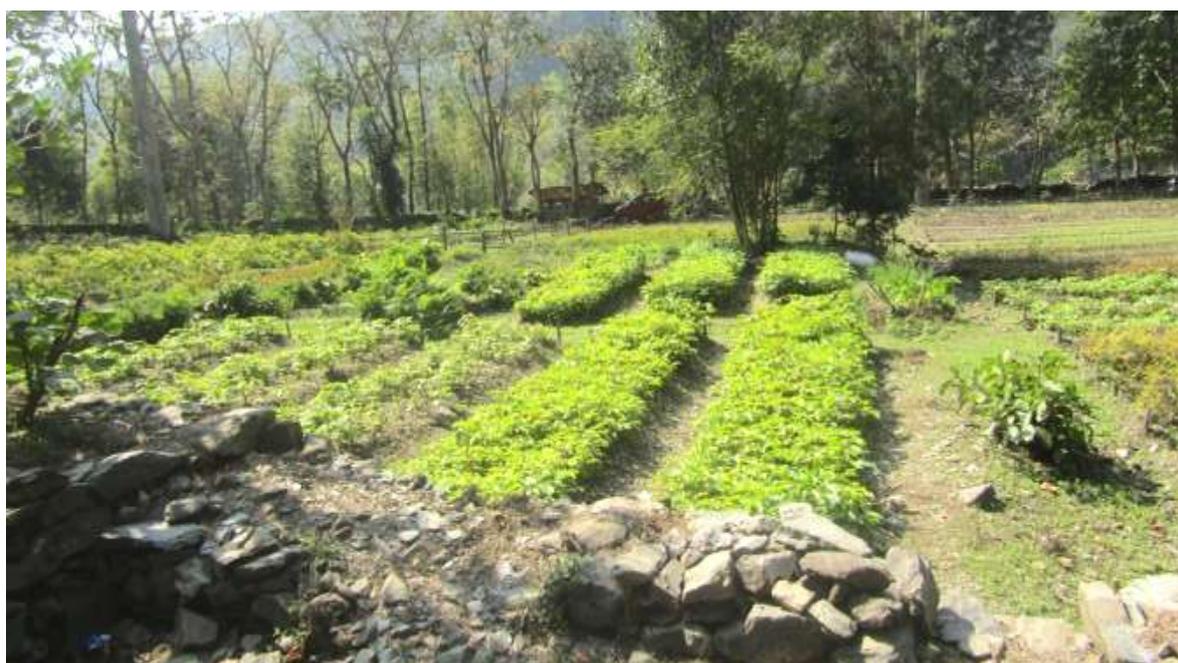
10. Mamring-IV- Farm for Mulberry (Sericulture)			Altitude: 450 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Mamring-IV- Farm for Mulberry (Sericulture)	10.5 Ha	South	Forest	150	10X2.5, 8X2.5
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Mulberry, Tofika, Kaulo, Kutmiro, Castor	Kaulo from Assam, Mulberry from Phallacatta, Kalimpong, Ambari	200,300,500	Cow-dung, Forest litter and Vermicompost	Mulberry Cocoon- 2000 Kg; Eri Cocoon- 1800Kg; Others- 300 to 400	Barampur, Siliguri
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Mulberry, Tofika, Kaulo, Kutmiro, Castor	Kaulo from Assam, Mulberry from Phallacatta, Kalimpong, Ambari	200,300,500	Cow-dung, Forest litter and Vermicompost	Mulberry Cocoon- 2000 Kg; Eri Cocoon- 1800Kg; Others- 300 to 400	Barampur, Siliguri
Water Sources: Kharkhola					
Constraints:					
1. Protective Fencing 2. Rearing house Maintenance					
Nursery Caretaker: Mr. Panchabir Tamang (Mali), Mobile: 9593987330					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
986	0.46		0.43	0.13	



11.BAGUWA(WL)			Altitude: 291m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Baguwa(WL)	2 Ha	South	Forest	Racks: 50	10X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Lampatay, Kaijal, Panisaj, Lapsi, Saigun	Jungle, Market	50	Forest Litter	10,000	Dept. Public Plantation
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Lampatay, Kaijal, Panisaj, Lapsi, Saigun	Jungle, Market	50	Forest Litter	10,000-15,000	Dept. Public Plantation
Water Sources: GhoomKhola					
Constraints:					
1. Wild Animal Menace (Monkey, Deer etc.) 2. Irrigation Facilities/ Water Scarcity 3. Fertilizer					
Nursery In-charge: Mr. Rajesh Thatal, Mobile: 9609730416					
Office In-charge: Mr.Chenga (RO): Mobile:7407377512, Smt. Hari Maya (ACF)					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
949	0.47	0.46	0.14		



12.Bharikhola (Silviculture)			Altitude: 314 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Bharikhola	1.5 Ha	South	Forest	500	20X4, 16X4, 8X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Kaijal, Panisaj, Khamarey, Gokul, Barr, Badar, Harra, Barra, Ritha, Mandaney, Phaledo, Teak, Chykrasey	Jungle	500	Cow-dung and vermicompost	1,20,000	Dept., Public Plantation and Schools
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Kaijal, Panisaj, Khamarey, Gokul, Barr, Badar, Harra, Barra, Ritha, Mandaney, Phaledo, Teak, Chykrasey, Silver Oak, Bel, Gulmohar, Zakaranda, Lampatay, Mix Medicinal Plants	Jungle, Roadside	500	Cow-dung and vermicompost	1,20,000	Main focus on Teak, Panisaj, and Gulmohar Dept. Public Plantation
Water Sources: Bharikhola					
Constraints:					
1. Irrigation Facilities/ Water Scarcity 2. Fertilizer					
Nursery In-charge: Mr. Kharka Singh Subba, Mobile: 9749661631					
Office In-charge: Mr.Saran Subba (RO), Mr. Yogen Tamang (FG)					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
994	0.46	0.42	0.13		



13.Kabi Loop (T)			Altitude: 1410 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Kabi Loop (T)	0.5 Ha	North	Forest	Mother beds: 50 Semi High-tech: 56	11X4, 18X4 Iron Rack
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Rani Champ, Lapsi, Okhar, Arupatay, Kaulo, Cherry, Bhadrasey, Neel Kamal, Lalupatay, Azelia, Dhupi	Jungle	60	Forest litter	2.5 lakhs	Dept., Public, Monasteries and Schools
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Rani Champ, Tooni, Poms, Siris, Cherry, Panchpatay, Panisaj, Lapsi, Chekrasey, Malagiri, Dhupi (Thuja), Nebaro, Aarupatay, Ambak, Lalupatay	Jungle	50	Forest litter	70,000	Dept., Public, Monasteries and Schools
Water Sources: Loop Kholsa					
Constraints:					
1. Toolkits 2. Irrigation Facilities					
Nursery Caretaker: Mr. Chopel Lepcha, Mobile: 8145883421					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
997	0.55	0.44	0.14		



14.Menshithang –I KNP/KBR				Altitude: 1898 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Menshithang- I (T)	3.5 Ha	North	Forest	2000	30X4,10X4,15X4,20X4	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply	
Gurans, Rani Chanp, Fusre Champ, Tooni, Cherry, Aarupatay, Chandani	Jungle	1000	Jungle Manure	3 Lakhs	Dept., Public, Army, GREF, ITBP	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Gurans, Rani Chanp, Fusre Champ, Tooni, Cheery, Aarupatay, Chandani, Kapasay, Lapsi, Chimal, Dhupi, Khanakpa	Jungle	2000	Jungle Manure	3 Lakhs	Dept., Public, Army, GREF, ITBP	
Water Sources: Selintingchu						
Constraints:						
1. Green Houseshed						
Nursery In-charge: Mr. Kaki Lepcha, Mobile: 9933062269						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)	
995	0.46		0.48		0.15	



15.Tingchim (T)				Altitude: 1081 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Tingchim (T)	1.5 Ha	North	Forest	180	08X4,10X4,15X4, 12X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Panisaj,Tooni, Angarey, Nebara, Lakhkuri, Kaijal, Aarupatey, Kapasey, Khanakpa, Okhar, Dhupi, Tarpin, Rai Khaneu	Jungle	180	Cow Dung, Jungle Manure	1.2 lakhs	Dept., Public, Schools
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj,Tooni, Angarey, Nebara, Lakhkuri, Kaijal, Aarupatey, Kapasey, Khanakpa, Okhar, Dhupi, Tarpin, Rai Khaneu, Totala, Tanki	Jungle	180	Cow Dung, Jungle Manure	1.2 lakhs	Dept., Public, Schools
Water Sources: Tingchimmelawas					
Constraints:					
1. Toolkits 2. Irrigation Facilities					
Nursery In-charge: Mr. Hem Psd. Sharma, Mobile: 7797587117					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
994	0.49	0.51	0.17		



16.Pakshep (T)				Altitude: 1229m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Pakshep (T)	02 Ha	North	Forest	500	07X4,10X5,6X5, 12X5
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj,Tooni, Angarey, Lakhkuri, Kaijal, Aarupatey, Kapasey, Okhar, Azalea, Neel Kamal, Indra Kamal, Jarul	Jungle	500	Cow Dung, Jungle Manure	1.9 lakhs	Dept., Public, Schools, Teesta Urja, SDM offices and Gram Panchayat offices.
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj,Tooni, Angarey, Lakhkuri, Kaijal, Aarupatey, Kapasey, Okhar, Azalea, Neel Kamal, Indra Kamal, Jarul, ThujaDhupi	Jungle	500	Cow Dung, Jungle Manure	2 lakhs	Dept., Public, Schools, Teesta Urja, SDM offices and Gram Panchayat offices.
Water Sources: DevithanKholisa					
Constraints:					
1. Toolkits 2. Irrigation Facilities					
Nursery In-charge: Mr. BijayKalikotay (BO); Smt. Passingkit Lepcha, Mobile:8371822363					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
993	0.49	0.49	0.15		



17.Rafong (T)				Altitude: 1231 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Rafong (T)	0.5 Ha	North	Forest	61	10X4,12X4, 8X4	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply	
Azalea, Neel Kamal, Indra Kamal, GhantiPhul, Paanisaj, Hydenzia, Jharul, Rani Champ	DC Office	76	Cow Dung	20,000	Dept., Public, Schools, Gram Panchayat office and Monasteries	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Azalea, Neel Kamal, Indra Kamal, GhantiPhul, Paanisaj, Hydenzia, Jharul, Rani Champ	Pakshyap Nursery	61	Cow Dung	30,000	Dept., Public, Schools, Gram Panchayat office and Monasteries	
Water Sources: RafongKhola						
Constraints:						
1. Toolkits 2. Fancing						
Nursery In-charge: Smt. Passingkit Lepcha, Mobile:9775427474						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)	
993	0.49		0.49		0.15	



18.Ringding (T)				Altitude: 927 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Ringdang (T)	2 Ha	North	Forest	580	6X2,10X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj, Tooni, Jharul, Okhar, Lapsi, Cherry, Pipli, Lakhuri, Azelea, Neel Kamal, Indra Kamal, Lalpati, Gadavari, Ghantiphul	Jungle	500	Cow Dung	70,000-80000	Dept., Public, Schools, Gram Panchayat office, TeetaUrja, Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj, Tooni, Jharul, Pipli, Lapsi, Cherry, Phunse	Jungle	580	Cow Dung	80,000-90000	Dept., Public, Schools, Gram Panchayat office, TeetaUrja, Monasteries
Water Sources: RingdangKhola					
Constraints:					
1. Irrigation Facilities					
Nursery In-charge: Smt. Ongmu Lepcha, Mobile: 9734552424					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1007	0.43		0.44	0.15	



19.Namphrikdang I (SF)			Altitude: 752 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Namphrikdang-I (SF)	1 Ha	North	Forest	300	8X4,6X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Panisaj, Tooni, Jharul, Okhar, Gokul, Nebara, Jackfruit, Cherry, NeelKamal,	Jungle	300	Cow Dung	45,000	Dept., Public, Schools
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj, Tooni, Jharul, Okhar, Gokul, Nebara, Jackfruit, Cherry, NeelKamal	Jungle	300	Jungle Manure	70,000-80,000	Dept., Public, Schools
Water Sources: NamphrikdangKholso					
Constraints:					
1. Irrigation Facilities					
Nursery In-charge: Mr. Chungchung Lepcha, Mobile: 9800692556					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1016	0.48		0.47	0.15	



20.Namprisdang- II (KNP/KBR)				Altitude: 745 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Namprisdang –II (KNP/KBR)	1 Ha	North	Forest	60	8X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Lakhuri, Indra Kamal, Cherry, Neel Kamal	Jungle	50	Jungle Manure	25,000	Dept., Public, Schools & Teesta Urja
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Lakhuri, Indra Kamal, Cherry, Neel Kamal	Jungle	60	Jungle Manure	30,000	Dept., Public, Schools, Teesta Urja
Water Sources: NamprisdangKholisa					
Constraints:					
1. Toolkits					
Nursery In-charge: Mr. Jorden Lepcha, Mobile: 9679736482					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1010	0.48`		0.44	0.13	



21.Lingdong (T)					
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Lingdong (T)	2 Ha	North	Forest	400	6X4, 12X4, 10X4, 20X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Panisaj, Teak, Jarul, Lapsi, Bakainu, Indra Kamal, Azelea, Bet, Jackfruit	Jungle	100	Cow Dung, Jungle Manure	20,000-30,000	Dept., Public
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Jackfruit, Kharey, Dhupi, SetoDhupi, Nebara, Totala, Khaneu, Lalupatay, Chinese Rose, Okhar, Coffee, Aaru	Jungle	400	Cow Dung, Jungle Manure	70,000-80,000	Dept., Public, Schools, Government Offices, Hospital
Water Sources: BarphokKhola					
Constraints:					
1. Irrigation Facilities					
Nursery In-charge: Smt.Ongmu Lepcha, Mobile: 9635837153					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1010	0.48`	0.44	0.13		



22.Hee-Gyathyang –I (T)			Altitude: 1120 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Hee-Gyathyang-I (T)	2 Ha	North	Forest	1000	6X4, 12X4, 10X4, 20X4, 8X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Panisaj, Rani Champ, Okhar, Kaijal, Jackfruit, Bakainu	Jungle		Cow Dung, Jungle Manure	70,000-80,000	Dept., Public, Private Holders
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Rani Champ, Cherry, Ambak, Okhar, Jackfruit, Phunse, Kaijal, Tooni	Jungle	1000	Cow Dung, Jungle Manure	90,000	Dept., Public, Schools, Private holders
Water Sources: GyathangKholsoa					
Constraints:					
1. Irrigation Facilities 2. Water Scarcity					
Nursery In-charge: Smt.UdenDoma Lepcha, Mobile: 7872886192					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1008	0.55		0.46	0.17	



23. Hee-Gyathyang –II (Env. & SC)				Altitude: 1066 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Hee-Gyathyang-II (Env&SC)	1 Ha	North	Forest	192	6X4, 10X4, 04X4, 8X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj, Amliso, Hatibar, Chewri, Kaijal, Lakhuri, Bamboo, Ranichamp, Baral	Jungle	192	Cow Dung	50,000	Dept., Public, Teesta Urja
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj, Amliso, Hatibar, Chewri, Kaijal, Lakhuri, Bamboo, Ranichamp, Baral, Tooni, Cherry, Lapsi, Dhupi	Jungle	192	Cow Dung	60,000	Dept., Public, Schools, Private holders
Water Sources: SudurKhola					
Constraints:					
1. Manpower 2. Water Scarcity					
Nursery In-charge: Mr. Lachen Lepcha, Mobile: 9933093888					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
998	0.53		0.47	0.16	



24. Phidang (Env. & SC)				Altitude: 556 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Phidang (Env&SC)	2 Ha	North	Forest	400	12X4, 10X4	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply	
Panisaj, Okhar, Lapsi, Phunse, Nebaro, Teak, Cherry	Jungle	400	Cow Dung	2 lakhs	Dept., Public, School, Monasteries	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Panisaj, Okhar, Lapsi, Phunse, Nebaro, Teak, Cherry	Jungle	400	Cow Dung	2 lakhs	Dept., Public, School, Monasteries	
Water Sources: NamphongKhola						
Constraints:						
1. Toolkits 2. Agronet 3. Irrigation Facilities						
Nursery In-charge: Mr. Nima Lepcha, Mobile: 9734983358						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)	
1009	0.51		0.42		0.15	



25. Labarbotay I (S/F)				Altitude: 606 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Labarbotay (S/F)	1 Ha	North	Forest	400	12X3, 15X3, 10X3, 8X3	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply	
Panisaj, Lapsi, Kailjal, Tooni, Chewri, Kimbu	Jungle	130	Cow Dung	1.2 lakhs	Dept., Public, School, Monasteries, Hospitals	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Rai Kheneu, Nebera, Ritha, Bottle Brush, Jarul, Silver Oak, Amliso, Jackfruit, Kabra, Ambak, Neel Kamal	Jungle	140	Cow Dung	70,000-80,000	Dept., Public, School, Monasteries, Hospitals	
Water Sources: Zin Khola						
Constraints:						
1. Water Scarcity 2. Fertilizer 3. Implementations						
Nursery In-charge: Mr. Milan Subba, Mobile: 9733359324						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)	
1003	0.49		0.45		0.15	



26. Labarbotay- II (S/F) Work in progress				Altitude: 630 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Labarbotay (S/F) New	1 Ha	North	Forest	21	
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Water Sources: Zin Khola					
Constraints:					
1. Water Scarcity 2. Irrigation Facilities 3. Fertilizer					
Nursery In-charge:					
Result of Nursery Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1012	0.52		0.46	0.14	



27. BagayKhola (T)			Altitude: 350 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
BagayKhola (T)	1 Ha	East	Private Holding	140 Iron Racks:60	20X4, 10X4, 8X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj, Kailjal, Lampatay,Khamari, Teak, Ritha, Jarul, Chekrasey	Jungle	22	Cow Dung, Forest litter	1.8 lakhs	Dept., Public, School, Monasteries, Hospitals, Pharma Companies
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj, Kailjal, Lampatay,Khamari, Teak, Ritha, Jarul, Chekrasey,Arica Palm, Robx, Jharanda, Taki Phool, Bottle Brush, Parijat Brush, Amala, Kathar, Aamp, Ambak, Jamun, Kashi Amala,Lichi, Sarifa	Jungle	22	Cow Dung, Forest litter	1.8 lakhs	Dept., Public, School, Monasteries , Hospitals, Pharama Companies
Water Sources: BagayKhola					
Constraints:					
1. Fertilizer					
Nursery In-charge: Smt. Sarita Subba, Mobile: 7872388214					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
984	0.44	0.43	0.14		



28. SalingayBagayKhola (S/F)			Altitude: 355 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
SalingayBagay (T)	0.60 Ha	East	Forest	47 High-tech Iron Racks:60	10X4,8X4,20X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj, Lampatay, Jacaranda, Bogainvilla, Dhupi, Neempatta, Phamphal, Aamp, Darim	Samplay RF	Iron Rack: 50	Cow Dung, Forest litter	60,000-70,000	Dept., Public, School, BAC Duga, Singtam Municipality
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj, Lampatay, Jacaranda, Bogainvilla, Dhupi, Neempatta, Phamphal, Aamp, Darim	Jungle	Iron Rack: 50	Cow Dung, Forest litter	80,000-90,000	Dept., Public, School, BAC Duga, Singtam Municipality
Water Sources: BagayKhola					
Constraints:					
1. Toolkits 2. Water Scarcity 3. Fencing					
Nursery In-charge: Smt. Pramila Subba, Mobile: 9734152876					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
984	0.45		0.42	0.14	



29. Sang Chamkhang (T)				Altitude: 1429 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Sang Chamkhang (T)	1 Ha	East	Forest	155	10X4, 4X20, 4X5, 4X6, 4X 15	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply	
Panisaj, Rani Champ, Fusray Champ, Pipli, Kaijal, Ritha, Cheery, Okhar, Jharul, Hibiscus, Lalpati, Bottle Brush, Bell Flower, Calandula, Casia Fistula	Jungle	300	Cow Dung, Forest litter	>1 lakh	Dept., Schools, EDC, Monasteries	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Panisaj, Rani Champ, Fusray Champ, Pipli, Kaijal, Ritha, Cheery, Okhar, Jharul, Hibiscus, Lalpati, Bottle Brush, Bell Flower, Calandula, Cassia Fistula	Jungle	155	Cow Dung, Forest litter	1.5 lakhs	Dept., Schools, EDC, Monasteries	
Water Sources: NabayKhola						
Constraints:						
1. Irrigation Issues						
Nursery In-charge: Mr. HarkaBdrBiswakarma, Mobile: 9775979754						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)	
1055	0.52		0.43		0.16	



30. Dipudara (Env & SC)			Altitude: 496 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Dipudara (Env& SC)	1 Ha	East	Forest	268	10X4, 4X12, 4X15, 4X15, 6X 10 (Mother bed)
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj,Lampatay, Nabera,Chakrasay, Ritha	Jungle	300	Cow Dung, Forest litter	>1 lakh	Dept., Schools, EDC, Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj,Lampatay, Nabera,Chakrasay, Ritha	Jungle	268	Cow Dung, Forest litter	1.5 lakhs	Dept., Schools, EDC, ITBP Camp, Self Help groups, Local NGOs, Monasteries
Water Sources: DevithanKhola					
Constraints:					
1. Irrigation Issues; 2. Toolkits 3. Fertilizers					
Nursery In-charge: Mr. Tika Ram Neopanay, Mobile: 7797139308					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1058	0.4		0.46	0.15	



31. Churibotay (ENV & SC)			Altitude: 795 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Churibotay (Env & SC)	1 Ha	East	Forest	45	10X4, 4X8, 4X12, 6X6
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj, Lampatay, Nabera, Taki, Silver Barar, Jharul, Ritha, Jackfruit, Amliso	Jungle	80	Cow Dung, Forest litter	>1 lakh	Dept., Public Plantation
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj, Lampatay, Nabera, Taki, Silver Barar, Jharul, Ritha, Jackfruit, Amliso, Kajjal	Jungle	45	Cow Dung, Forest litter	30,000-35,000	Dept., Public Plantation
Water Sources: KhaniKhola					
Constraints:					
1. Manpower shortage					
Nursery In-charge: Smt. ArunaDhakal; Mobile:					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1059	0.49		0.46	0.14	



32. Rongli (Env & SC)			Altitude: 891 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Rongli (Env& SC)	1 Ha	East	Forest	60	10X4, 4X8, 4X12,
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Panisaj,Bangi,Kaizal, Rani Champ,SilverOak, Kapasay,Chakrasay, Tooni,Lampatay, Parijat,NilKamal, IndraKamal,Hibiscus, Azaleas, Bogunvellia, Lalupaty,BottleBrush, Jackfruit,NaberaGogun, Ambak,Cherry,Badar	Dalapchand, Paam, Chujachen	103	Cow Dung, Forest litter	80,000	Dept., Schools, Pharma Companies, NGOs, SHGs, College and Hospitals
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj,Bangi,Kaizal, Rani Champ,SilverOak, Kapasay,Chakrasay, Tooni,Lampatay, Parijat,NilKamal, IndraKamal,Hibiscus, Azaleas, Bogunvellia, Lalupaty,BottleBrush, Jackfruit,NaberaGogun, Ambak,Cherry,Badar	Jungle	60	Forest litter	52,000	Dept., Schools, Pharma Companies, NGOs, SHGs, College and Hospitals
Water Sources: RongliKholasa					
Constraints:					
1. Irrigation Issues; 2. Toolkits 3. Financial assistance					
Nursery In-charge: Mr. Netra Psd. Sharma, Mobile: 9749393612					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1056	0.63	0.41	0.14		



33. Zitlang (Env &SC)			Altitude: 437 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Zitlang (Env &SC)	0.6 Ha	East	Forest	90	10X4 12X4, 16X4, 20 X4, 3X6
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Jackranda, Panisaj, Pakhasaj, Hatibar, Tanki ,Totola, Ritha, Silver Oak	Forest	103	Forest litter	80,000	Dept., Public, Schools
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Barra, Bel, Panisaj, Pakhasaj, Hatibar, Tanki, Totola	Forest	90	Forest litter	75,000	Dept., Public, Schools
Water Sources: Thin DharayKholsa					
Constraints:					
1. Fertilizer 2. Fencing 3. Nursery Management					
Nursery In-charge: Mr. Kharga Bdr.; Mobile: 9064672662,8942935570					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1062	0.44	0.45	0.14		



34. Parkha (T)				Altitude:	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Parkha (T)	1.5 Ha	East	Forest	100	10X4 8X9, 4X8
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Tooni, Panisaj, Kaijal, Cherry, Nabara, Gogun, Bhotay Bar, Amliso	Forest	100	Forest litter	50,000-60,000	Dept., Public, Schools and Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Tooni, Panisaj, Kaijal, Cherry, Nabara, Gogun, Bhotay Bar, Amliso	Forest/ Khasmal	100	Forest litter	70,000-80,000	Dept., Public, Schools and Monasteries
Water Sources: KartokKholsa					
Constraints:					
1. Fertilizer 2. Irrigation Facilities 3. Toolkits					
Nursery In-charge: Smt. Damber Kumari Gurung; Mobile: 8967811546					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1075	0.84	0.68	0.21		



35.Rorathang (Sericulture)			Altitude:		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Rorathang (Sericulture)	25 Acre	East	Forest	51	10X3, 15X3, 12X3, 3X8
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Malwari, Castor Plant, Kawlo, Kutmero	Forest	100	Cow Dung, Forest litter	40,000-50,000	Dept., Public, Schools and Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Malwari, Castor Plant, Kawlo, Kutmero	Forest/Khasmal	51	Cow Dung, Forest litter	50,000-60,000	Dept., Public, Schools and Monasteries
Water Sources: Within Nursery					
Constraints:					
1. Fertilizer 2. Financial Assistance					
Nursery In-charge: Mr. Puran; Mobile: 9679111642					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1073	0.9	0.73	0.19		



36. Lower TarpinRorathang (NTFP)				Altitude:	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Lower Tarpin Rorathang	1 Ha	East	Forest	100	2X10, 3X10, 4X2, 8X2, 3X20
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Harra, Barra, Amala, Totala, Bhui Champa, Faledo, Aloe Vera ,Bel, Tulsi , Kadi Patta, Patar Chur, Gloriosa, Red Sandal wood, Gurjo	Forest	200	Cow Dung, Forest litter	40,000-50,000	Dept., Public, Schools and Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Harra, Barra ,Amala, Totala, Bhui Champa, Faledo, Aloe Vera, Bel, Tulsi, Kadi Patta, Patar Chur, Gloriosa, Red Sandal wood, Gurjo	Nearby Village, Red Sandalwood from Assam	107	Cow Dung, Forest litter	30,000-40,000	Dept., Public, Schools and Monasteries
Water Sources: Salghari Forest					
Constraints:					
1. Irrigation Facilities, 2. Fencing, 3. Fertilizer, Financial Assistance					
Nursery In-charge: Mr. Purna Ramudamu; Mobile: 7407768941					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1074	0.76		0.58	0.17	



37. Sipsoo (S/F)				Altitude: 416 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Sipsoo Nursery (NTFP)	1 Ha	West	Forest	200	20X4, 4X15, 25X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Amala, Harra, Bara, Ritha, Totala, BelAule Rajbrisaay, Bakima, Chewray,Aloe Vera	Forest/ Private holding	150	Cow Dung, Forest litter	75,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Amala, Harra, Bara, Ritha, Totala, Bel, Aule, Rajbrisaay, Bakima, Chewray, Aloe Vera	Forest/ Private holding	84	Cow Dung, Forest litter	75,000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: Sipsoo Marthak Khola					
Constraints:					
1. Irrigation Facilities					
Nursery In-charge: Mr. Dil Bdr. Bhattarai; Mobile: 7318743406					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
941	0.46		0.46	0.13	



38. Daramdin (T)				Altitude:		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Daramdin (T)	1 Ha	West	Forest	125	10X4, 4X12, 14X4	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply	
Panisaj, Lampatay, Rau Tooni, Chakrasay, Bamboo(Assam)Barra, Nebara,Badar,Bakina, Aru	Forest/ Private holding	125	Cow Dung, Forest litter	2 lakhs	Dept., Public, Schools, Monasteries, Green Mission	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Panisaj,Lampatay, Rau Tooni, Chakrasay, Bamboo(Assam) Barra, Nebara, Badar, Bakina, Aru, Gaisara	Forest/ Private holding	84	Cow Dung, Forest litter	75,000	Dept., Public, Schools, Monasteries, Green Mission	
Water Sources: Sipsoo Marthak Khola						
Constraints:						
1. Irrigation Facilities 2. Fertilizer, Field Management						
Nursery In-charge: Mr. Bharat Lal Bhujel; Mobile: 9734935732						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)		
946	0.5		0.47	0.16		



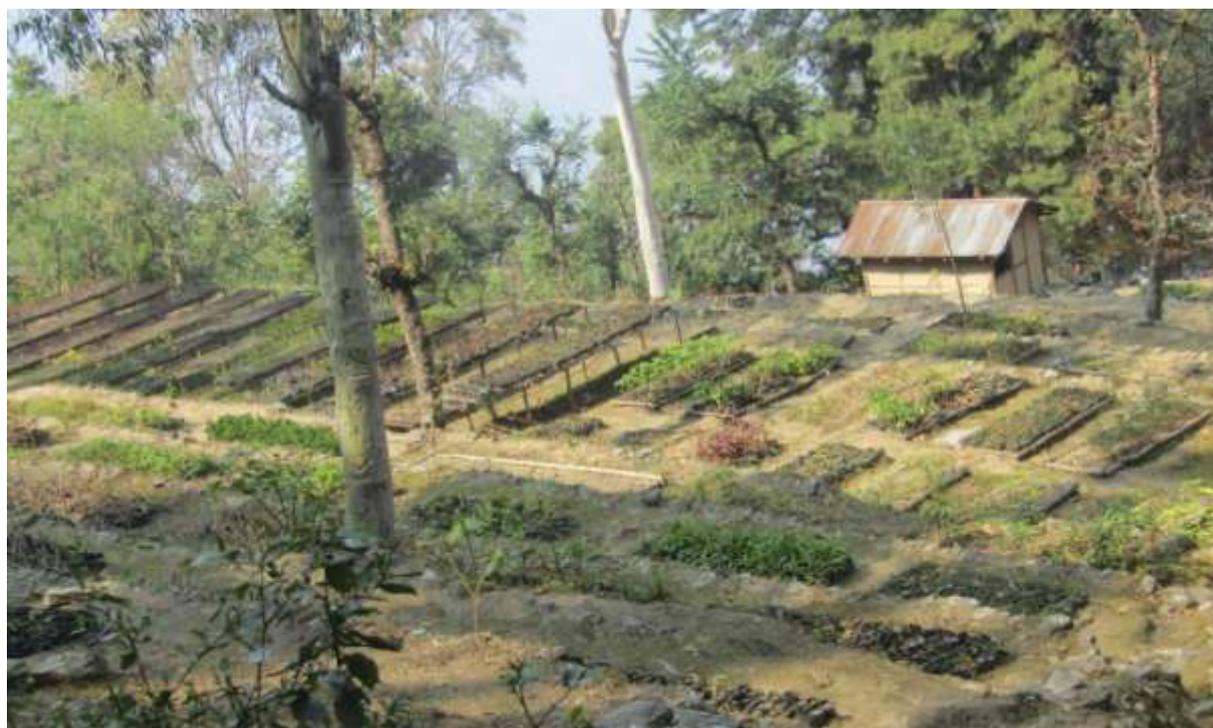
39. Simphu (Env & SC)				Altitude:	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Simphu (Env&SC)	1.5 Ha	West	Forest	300	10X9, 8X4, 12X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj, Lapsi, Chekrasay, Nebara, Paiyoun, Gogun, Gokul	Ringang, Simphu Nursery and Forest areas	300	Cow Dung, Forest litter	1.45 lakhs	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj, Lapsi, Chekrasay, Nebara, Paiyoun, Gogun, Gokul	Ringang, Simphu Nursery and Forest areas	300	Cow Dung, Forest litter	1.45 lakhs	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: Simphu Khola					
Constraints:					
1. Irrigation Facilities 2. Toolkits					
Nursery In-charge: Mr. Maita Bir Subba; Mobile: 9609859934					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
943	0.55	0.5	0.14		



41. Sherathang (JICA)			Altitude		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Sherathang (JICA)	1Ha	West	Forest	280	8X4,6X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj, Lampatay, Nebara, Badar, Chakrashay, Amliso, Jarul	Forest and Village	365	Cow dung, Forest litter	70,000-80,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj,Guava, Badar,Nebara, Ambak, Amliso,Katar, Chakrashay	Forest and Village	280	Cow Dung, Forest litter	70,000-80,000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: GautayKhola					
Constraints:					
1. Irrigation Facilities, 2. Fertiliser, 3. Toolkits					
Nursery In-charge: Mr. Ram Chettri; Mobile: 7076597508; Mr. Budda Bir Subba (B.O), Mob:9593754135					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
928	0.52	0.49	0.15		



42. Kamdhalay (T)				Altitude: 1329 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Kamdhalay (T)	2Ha	South	Forest	366	12X3.5, 15X3.5, 10X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Panisaj, Cherry, Okhar, Lapsi, Arupatay, Ambuk, Ghurpis, Khafal, Kaijal, Malagiri	Forest and Village	360	Cow dung, Forest litter	80000-90,000	Dept., Public, Schools, Monasteries, Green Mission
Prasent Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Cherry, Lapsi, Okhar, Rani Champ, Panisaj Thuja, Ambak, Bhokatay, Mel, Pumsi	Forest and Village	360	Cow Dung, Forest litter	80,000-90,000	Dept., Public, Schools, Monasteries, Green Mission
Water Source: Purano Namchi Dhara					
Constraints:					
1. Toolkits; 2. Irrigation Facilities; 3. Working Shed; 4. Financial Assistance					
Nursery In-charge: Smt. Premkit Lepcha; Mobile:9734203217					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
927	0.55	0.56	0.15		



43. Dorongpani (T)				Altitude: 1331 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Dorongpani (T)	2.5Ha	South	Forest	360		
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply	
Panisaj, Cherry, Okhar, Lapsi, Fusray Champ Arupatay, Ambuk, Ghurpis, Bhokatay Khafal, Kaijal, Thuja	Forest and Village	360	Cow dung, Forest litter	3 lakhs	Dept., Public, Schools, Monasteries, Green Mission	
Prasent Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Panisaj, Pumsi, Okhar, Kaijal, Fusray Champ, Pipli Bar	Forest and Village	360	Cow Dung, Forest litter	3 lakhs	Dept., Public, Schools, Monasteries, Green Mission	
Water Source: DorongPaniDhara						
Constraints:						
1. Fertilizer; 4. Financial Assistance						
Nursery In-charge: Mr. Dawchang Lepcha; Mobile:8759529864, Smt. Rekha Chettri, Mob:7432939189						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)	
935	0.46		0.5		0.14	



I. Forest Nurseries in the Temperate Belt (1500 m to 3000 m)

1.Tingda (NTFP)			Altitude: 1569 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Tingda	1 Ha	North	Forest	130	10X4, 12X4,6X4, 5X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Amala, Achuk, Totala, Harra, Barra, Lali Gurans, Taxus	Jungle, Market	400	Cow-dung and Forest litter	2.5 lakhs	Dept., Public and Schools
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Taxus, Gurjo, Lali Gurans, Panchpatay, Satauwa, Digitalis, Stevia, Lekh Nakima, Bhui Champa, Aloe Vera	Jungle	130	Cow-dung and Forest litter	1.30 lakhs	Departmental plantation at Lachen and Lachung
Water Sources:					
Constraints:					
1. Toolkits					
Nursery Caretaker: Mr. Nim Tsh. Sherpa, Mobile: 9933437420					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1015	0.48	0.49	0.15		



02.Chewang (T)			Altitude: 1611 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Chewang (T)	0.6 Ha	North	Private Holding	Mother beds: 25 Iron Rack: 40	16X4, 10X4,4X3
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Rani Champ, Poms, Dhupi, Nebara, Kapasay, Panisaj, Aarupatey, Neel Kamal	Jungle, Labrang RF	60	Forest litter & Cow Dung	60,000 to 70,000	Dept., Public, Monasteries and Schools
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Poms, Kapasay, Aarupatey, Nebara, Cherry, Neel Kamal, Azelia, Rose, Ambak	Jungle, Labrang RF	Mother beds: 25 Iron Rack: 40	Forest litter	30,000-40,000	Dept., Public, Monasteries and Schools
Water Sources: PHE Water Supply					
Constraints:					
1. Toolkits 2. Irrigation Facilities					
Nursery Caretaker: Mr. Wangchuk Lepcha, Mobile: 9635954777					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
996	0.48	0.27	0.07		



03.Lachen People's (T), Timchi Area				Altitude: 2800 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Lachen People's (T), Timchi Area	0.5 Ha	North	Forest	150	4X8, 4X6,4X10,4X2, 4X12
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Gurans, Dhupi, Salix, Sea buckthorn, Thuga, Gobre Salla, Pipli	Jungle		Cow/Horse Dung, Gobre Salla Manure	1.5 Lakhs	Dept., Public, Army, GREF, DZUMSA, Handloom Institutes
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Gurans, Dhupi, Salix, Sea buckthorn, Thuga, Gobre Salla, Pipli	Jungle		Cow/Horse Dung, Gobre Salla Manure	1.2 Lakhs	Dept., Public, Army, GREF, DZUMSA, ITBP, Handloom Institutes
Water Sources: Chutachu					
Constraints:					
1. Toolkits 2. Irrigation Facilities					
Nursery In-charge: Mr. JendhuLachenpa, Mobile: 8016523576					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
999	0.51		0.46	0.16	



04. Menshithang- II (T)			Altitude: 1906 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Menshithang – II (KNP/KBR)	1 Ha	North	Forest	176	25X4,10X4,15X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Gurans, Okhar, Phunche, Rani Champ, Fusre Champ, Tooni	Jungle		Jungle Manure	1.2Lakhs	Dept., Schools, ITBP
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Gurans, Okhar, Lapsi, Phunche, Rani Champ, Fusre Champ, Tooni, Chandan, Khanakpa, Cherry, Tarsing, Bhadrasay	Jungle	176	Jungle Manure	1.2 Lakhs	Dept., Schools, ITBP
Water Sources: Chukyong					
Constraints:					
1. Toolkits 2. Irrigation Facilities					
Nursery In-charge: Mr. Sonam Gyatso Lepcha, Mobile: 8172024953					
Result of Nursery Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1005	0.52	0.46	0.17		



05. Bop (Env. & Soil Conservation)				Altitude: 1722 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Bop (E&SC)	1.5 Ha	North	Forest	400	8X4,10X4,6X4,12X4	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply	
Okhar, Rani Champ, Fusre Champ, Tooni, Aarupatay, Tree Tomato, Naspati, Pakhanbet, Hatibar, Salix	Jungle	400	Cow Dung, Jungle Manure	1 Lakhs	Dept., Army, ITBP	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Okhar, Rani Chanp, Fusre Champ, Tooni, Aarupatay, Tree Tomato, Naspati, Pakhanbet, Haatibar, Salix	Jungle	400	Cow Dung, Jungle Manure	1.2 Lakhs	Dept., Army, ITBP	
Water Sources: Bomchu						
Constraints:						
1. Toolkits 2. Irrigation Facilities						
Nursery In-charge: Smt. SangayDoma Lepcha, 8670512480						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)	
1006	0.5		0.45		0.14	



06.Pharey Lachung (T)			Altitude: 2643 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
PhareyLachung (T)	0.5 Ha	North	Forest	60	08X4,10X4,18X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Gurans, Gobre Salla, Silver Fir, Hemlock, Seabuckthorn, Taxus, Dhupi, Salix	Jungle	50	Cow Dung, Horse Dung, Jungle Manure	60,000	Dept., Army, ITBP
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Gurans, Gobre Salla, Silver Fir, Hemlock, Seabuckthorn, Taxus, Dhupi, Salix	Jungle	400	Cow Dung, Horse Dung, Jungle Manure	60,000	Dept., Army, ITBP, BRO
Water Sources: Phayanamchu					
Constraints:					
1. Toolkits 2. Irrigation Facilities 3. Manure 4. Protective Fencing					
Nursery In-charge: Mr. Jumshey Bhutia, Mobile: 7407151014					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1000	0.53	0.46	0.16		



07. Namsing (NTFP)				Altitude: 1554 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Namsing (NTFP)	1 Ha	East	Forest	385	5X4,12X4,6X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Lapsi, Okhar, Arupatay	Jungle	500	Forest litter	1.2 lakhs	Territorial nursery handed over to NTFP
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Gurans, Gurjo, Chiraita, Satwa, Lekh Nakima, Harra, Barra, Lalpati	Jungle	385	Cow Dung, Forest litter	80,000-90,000	Dept., Public, Lachen, Lachung
Water Sources: Namchuk Khola					
Constraints:					
1. Toolkits 2. Irrigation Facilities 3. Agronet					
Nursery In-charge: Mr. Chegu Sherpa, Mobile: 7872891599					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
984	0.46	0.48	0.16		



08. Pangthang –I (NTFP)				Altitude: 1900 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Phangthang –I (NTFP)	1 Ha	East	Forest	250	4X6,10X4,4X8
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Lapsi, Okhar, Arupatay	Jungle	300	Cow Dung, Forest litter	5 lakhs	Dept., Public, Schools, Monasteries, SAP CAMP
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Gurans, Gurjo, Chiraita, Satwa, LekhNakima, Harra, Barra, Lalpati	Jungle	250	Cow Dung, Forest litter	1.5 lakhs	Dept., Public, Schools, Monasteries, SAP CAMP, Army
Water Sources: 7 th Mile Khola					
Constraints:					
1. Toolkits 2. Irrigation Facilities 3. Agronet 4. Fertilizer					
Nursery In-charge: Mr. Netra Bdr. Chettri, Mobile: 9474525101					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
984	0.48		0.47	0.14	



09. Pangthang Propagation –II (WL)			Altitude: 1903 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Phangthang Propagation Nursery (WL)	2.5 Ha	East	Forest	600 (Using HICO Tray)	8X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Panisaj, Rani Champ, Buk, Tooni, Cherry, FusreChamp, Kaulo, Bottle Brush, Kapasey, Azalea, Bhadrasesy, Pipli, Lal Chandan, Okhar, Kutmiro, Dhupi, Nebara, Aarupatey, Phumsi	Jungle	600	Cow Dung, Forest litter	2.5 lakhs	Dept., Public, Schools, JFMC, EDC, SKPPL
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj, Rani Champ, Buk, Tooni, Cherry, FusreChamp, Kaulo, Bottle Brush, Kapasey, Azalea, Bhadrasesy, Pipli, Lal Chandan, Okhar, Kutmiro, Dhupi, Nebara, Aarupatey, Phumsi	Jungle	600	Cow Dung, Forest litter	2.3 lakhs	Dept., Public, Schools, JFMC, EDC, SKPPL
Water Sources: Panidhara					
Constraints:					
1. Toolkits, 2. Irrigation Facilities, 3. Agronet 4. Fertilizer					
Nursery In-charge: Smt. Keshi Maya Sharma, Mobile: 9593270328					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1043	0.45	0.46	0.15		



10. SmritivanBulbuley (FCA)			Altitude: 1939 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Bulbulay Nursery (FCA)	2 Ha	East	Forest	350	8X4, 12X4, 10X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Rani Champ, Pipli, Pinus, Dhupi, Azalea, Bhadrasesy, Fusre Champ, Hydenzia, Cherry, Okhar, Gurans	SAP Camp Pangthang Zero Point, VIP Colony, Ratey Chowk	400	Cow Dung,	1.5 lakhs	Dept., Public, Schools, SAP Camp, Army Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Rani Champ, Pipli, Pinus, Dhupi, Azalea, Bhadrasesy, Fusre Champ, Hydenzia, Cherry, Okhar, Gurans	SAP Camp-Pangthang Zero Point, VIP Colony, Ratey Chowk	350	Cow Dung	1.3 lakhs	Dept., Public, Schools, SAP Camp, Army Monasteries
Water Sources: Bulbulay Kholsa Near Radio Staion					
Constraints:					
1. Toolkits, 2. Implements					
Nursery In-charge: Mr. Jas Bdr. Gurung, Mobile: 9474531591					
Result of Nursery Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1044	0.55	0.58	0.16		



11. Likchu (WL)			Altitude: 1569 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Likchu (WL)	0.5 Ha	East	Forest	160	8X2, 4X10, 6X12, 2X 6
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Tooni, Cherry, Guava, Dudulay, Pumsi	Forest areas	160	Cow Dung, Forest litter	60,000-70,000	Dept., Schools, EDC, Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Tooni, Cherry, Guava, Dudulay, Pumsi	Forest areas	100	Cow Dung, Forest litter	50,000-60,000	Dept., Schools, EDC, Monasteries
Water Sources: LikchuKhola					
Constraints:					
1. Manpower Shortage, 2. Irrigation Facilities, 3. Protective Fences 4. Display board					
Nursery In-charge: Smt. Bimla Pradhan; Mobile: 7479381901					
Result of Nursery Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1060	0.43	0.44	0.13		



12. Samsing (Env & SC)			Altitude: 1549 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Samsing (ENV &SC)	1.5 Ha	East	Forest	160	8X2, 2X20, 4X8, 4X 6
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Panisaj, Cherry, Kaijal, Lapsi, Lampatay, Baigana, Bottle Brush, Bell Flower, Okhar, Pipli, Nabera, Gogun, Gurans, Lek Nakima	Dhanbari	160	Cow Dung, Forest litter	1.6 lakhs	Dept., Schools, EDC, Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Panisaj, Cherry, Kaijal, Lapsi, Lampatay, Baigana, Bottle Brush, Bell Flower, Okhar, Pipli, Nabera, Gogun, Gurans, Lek Nakima	Dhanbari	150	Cow Dung, Forest litter	1.6 lakhs	Dept., Schools, EDC, Monasteries
Water Sources: LikchuKhola					
Constraints:					
1. Fertilizer, 2. Irrigation Issues, 3. Financial Support					
Nursery In-charge: Mr. Bal Kr. Tamang; Mobile: 8436560919					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1061	0.56	0.46	0.15		



13. Chamkhang (T)				Altitude: 1665 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Chamkhang (T)	1 Ha	East	Forest	112	8X4, 4X6, 4X12, 4X15, 4X 10
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Rani Champ, Fusray Champ, Tooni, Okhar, Pipli, Panisaj, Kaijal, Nabera, Bar, Dhupi, Rani Gugun, Bhadrasay	Jungle	300	Cow Dung, Forest litter	80,000	Dept., Schools, EDC, Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Rani Champ, Fusray Champ, Tooni, Okhar, Pipli, Panisaj, Kaijal, Nabera, Bar, Dhupi, Rani Gugun, Bhadrasay	Jungle	112	Cow Dung, Forest litter	70,000	Dept., Schools, EDC, Monasteries
Water Sources: MirikKhola					
Constraints:					
1. Toolkits, 2. Irrigation Issues					
Nursery In-charge: Mr. Gopal Lall, Mobile: 8768748979, 9775911880					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1054	0.58		0.49	0.15	



14. B II (S/F)			Altitude:		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
B II (S/F)	1.6 Ha	East	Forest	150	3X12, 3X8, 4X16, 12X12
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Gogun,Kaizal,Rani Champ,Nabera, Bhadrasay,Khanew, Arupatay,Baar, Gurphis,Pipli,Tooni, LakeKapasay,Gurans, Cherry,Pumse,Okhar, Dhupi,Azaleas,Kaffal, LekChilawnay,Bangi	VIP Colony, Raj Bhavan, 13 th Mile	250	Cow Dung, Forest litter	90,000- 1 lakh	Dept., Schools, Pharma Companies, NGOs, SHGs, College and Hospitals
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Gogun,Kaizal,Rani Champ,Nabera, Bhadrasay,Khanew, Arupatay,Baar, Gurphis,Pipli,Tooni, LekKapasay,Gurans, Cherry,Pumse,Okhar, Dhupi,Azaleas,Kaffal, LekChilawnay,Bangi	VIP Colony, Raj Bhavan, 13 th Mile	150	Cow Dung, Forest litter	70,000- 80,000	Dept., Schools, Pharma Companies, NGOs, SHGs, Army and Hospitals
Water Sources: RongliKholsoa					
Constraints:					
1. Toolkits					
Nursery In-charge: Mr. Buddi Man Gurung, Mobile: 7872880607					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1053	1.02	0.79	0.2		



15. Gurдум (WL)				Altitude:	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Gurдум (WL)	2 Ha	East	Forest	150	4X8, 4X12, 4X9, 4X10, 4X6
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
RaniChamp,Cherry, Badrasay,TiteyChamp, LekChilawnay,Pipli, Lopsi,Phumsay,Dhupi, PinusPatula,Gogun, Nebaro,Dabdabey	Forest	250	Cow Dung, Forest litter	70,000- 80,000	Dept., Schools, Dairy Farm
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
RaniChamp,Cherry, Badrasay,TiteyChamp, LekChilawnay,Pipli, Lopsi,Phumsay,Dhupi, PinusPatula,Gogun, Nebaro,Dabdabey, Maya,Azaleas, Tea, Nilkand,Aru,Peepal, Bar,Kawlo,Thuja	Forest	150	Cow Dung, Forest litter	80,000- 90,000	Dept., Schools, Dairy Farm
Water Sources: PipliKhola					
Constraints:					
1. Fertilizer					
Nursery In-charge: Mr. Nar Bahadur Panday, Mobile: 7872880607					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1052	1.02		0.85	0.21	



16. Raksay (WL)			Altitude:		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Raksay (WL)	1.5 Ha	East	Forest	500	10X4 12X4, 8X4, 6X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
RaniChamp,Phusray Champ,Arupatey, Phunsey,Lapsi, Gurans,Okhar, PinusPatula,Thuja	Forest	500	Cow Dung, Forest litter	70,000- 80,000	Dept., Public
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
RaniChamp,Phusray Champ,Arupatey, Phunsey,Lapsi, Gurans,Okhar, PinusPatula,Thuja	Forest	250	Cow Dung, Forest litter	75,000	Dept., Public
Water Sources: TankiKhola					
Constraints:					
1. Fertilizer 2. Fencing 3. Nurseries Management					
Nursery In-charge: Mr. Ganga Bdr. Karki, Mobile: 9775423764					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1051	0.9	0.86	0.25		



17. Dhanbari (Env &SC)				Altitude:	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Dhanbari (Env &SC)	3.5 Ha	East	Forest	90	10X4 12X4, 14X4, 18,X4, 8X4, 6X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Gurans (3 types),Tooni,Champ, Okhar,Cherry, Badrasay,Kaulo, Malagiri,Dhupi,Kaphal	Forest	103	Forest litter	80,000	Dept., Public, Schools
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Chiyapatta,Lampatey,GueKawlo, Kimbu,Malagiri, Sinkouli,Amliso, Nebara,Bar,Buk, Phalat,KatusMithey, Kawlo,Tarsing, Plum, Flowering and medicinal plants	Forest	90	Forest litter	75,000	Dept., Public, Schools
Water Sources: RamzongKhola					
Constraints:					
1. Fertilizer 2. Fencing 3. Nursery Management					
Nursery In-charge: Mr. KhilalLuitel.; Mobile: 9734765009					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1050	0.9	0.67	0.2		



18. Kartok (T)			Altitude:		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Kartok (T)	1 Ha	East	Forest	114	10X3 8X3, 12X3
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
RaniChamp,Arupatay, Kapasay,Kawlo,Pipli, Panisaj,Nabera,Gogun, Bar	Forest	103	Forest litter	80,000	Dept., Public, Schools
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Chiyapatta,Lampatey,GueKawlo, Kimbu,Malagiri, Sinkouli,Amliso, Nebara,Bar,Buk, Phalat,KatusMithey, Kawlo,Tarsing, Plum, Flowering and medicinal plants	Forest	90	Forest litter	75,000	Dept., Public, Schools
Water Sources: KartokKholsoa					
Constraints:					
1. Fertilizer 2.Irrigation Facilities 3. Toolkits					
Nursery In-charge: Mr. Lila Bdr. Gurung; Mobile: 9564188336					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1076	0.87	0.8	0.23		



19. 4 th Mile Lagyap (S/F)					
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
4 th Mile Lagyap (S/F)	2.5 Ha	East	Forest	290	10X3, 20X3, 15X3, 18X3, 8X3
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Rani Champ, Fusray Champ, Gogay Champ, Titay Champ, Kapasay, Arupatay, Kanakpa, Dhupi, Azaleas, Gurans, Cherry, Phumsi, Parang, Nebara, Chimal, Gogun, Narkot	Forest	500-600	Cow Dung, Forest litter	3-4 lakhs	Dept., Public, Schools and Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Rani Champ, Fusray Champ, Gogay Champ, Titay Champ, Kapasay, Arupatay, Kanakpa, Dhupi, Azaleas, Gurans, Cherry, Phumsi, Parang, Nebara, Chimal, Gogun, Narkot	Forest/ Khasmal	51	Cow Dung, Forest litter	1-1.5 lakhs	Dept., Public, Schools and Monasteries
Water Sources: 7 th Mile					
Constraints:					
1. Fertilizer 2. Irrigation Facilities 3. Toolkits 4. Protective Fencing					
Nursery In-charge: Mr. Chakray Tamang; Mobile: 9434429106					
Result of Nursery Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1093	0.83	0.68	0.19		



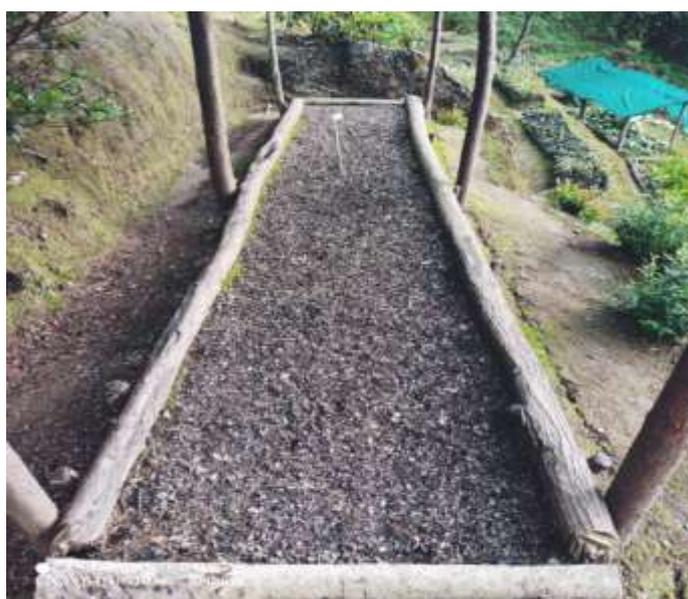
20. 6 th Mile (ENV&SC)			Altitude:		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
6 th Mile (Env& SC)	0.5 Ha	East	Forest	36	2X6, 4X10, 3X6, 5X12,
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Katus, Bhadrasay, Buk, Chimal,Rani Champ, Tuna	Forest	150	Cow Dung, Forest litter	50,000-60,000	Dept., Public, Schools and Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Katus, Bhadrasay, Buk, Chimal ,Rani Champ, Tuna, Gurans (Different Species)	Forest/ Khasmal	36	Cow Dung, Forest litter	50,000-60,000	Dept., Public, Schools and Monasteries
Water Sources: Within Nursery					
Constraints:					
1. Irrigation Facilities					
Nursery In-charge: Smt. Primula Subba; Mobile: 9475481654					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)
1096	1.03		0.81		0.22



21. Lingdum (T)				Altitude:		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Lingdum (T)	1 Ha	East	Forest	107	4X8, 4X6, 4X10	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply	
Tarpin, Nebara, Panisaj	Forest	200	Cow Dung, Forest litter	40,000-50,000	Dept., Public, Schools and Monasteries	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Katus, Bhadrasay, Buk, Chimal, Rani Champ, Tuna, Gurans (Different Species)	Forest/ Khasmal	107	Cow Dung, Forest litter	30,000-40,000	Dept., Public, Schools and Monasteries	
Water Sources: Within Nursery						
Constraints:						
1. Irrigation Facilities, 2. Fencing, 3. Fertilizer, Financial Assistance						
Nursery In-charge: Mr. PurnaRamudamu; Mobile: 7407768941						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)		
1091	6.3		0.67	0.2		



22. Assam Linzey (S/F)			Altitude:		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Assam Lingzey (S/F)	1.5 Ha	East	Forest	262	3X10, 3X8, 6X2, 12X2,
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Azelea, Bar, Panisaj, Thuja Dhupi, Cherry, Nebara, Lapsi, Bottle Brush, Bhadrasay, Okhar, Nilkamal, Phumsi, Pipli, Rani Champ, Titay Champ, Tooni, Dhupi	Forest/ Private holding	150	Cow Dung, Forest litter	40,000-50,000	Dept., Public, Schools and Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Azelea, Bar, Panisaj, Thuja Dhupi, Cherry, Nebara, Lapsi, Bottle Brush, Bhadrasay, Okhar, Nilkamal, Phumsi, Pipli, Rani Champ, Titay Champ, Tooni, Dhupi, Kamal Ful, Bangey, Gauva, Okhar, Lakali Nebara	Nearby Village, Red Sandalwood from Assam	262	Cow Dung, Forest litter	30,000-40,000	Dept., Public, Schools and Monasteries
Water Sources: PHE Water Supply					
Constraints:					
1. Irrigation Facilities, 2. Toolkits					
Nursery In-charge: Mr. Tula Raj Rai; Mobile: 9593288193					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1097	0.86		0.64	0.17	



23. Burtuk (S/F)				Altitude:		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Burtuk (S/F)	1 Ha	East	Forest	84	4X10, 4X12, 4X16	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply	
Cherry, Dhupi, Nebara, Gogun ,Neel Kamal, Kapasay, Katus, Badrasay, Chandan, Pipli, Arupatay, Lek Chilauney, Lapsi, Rani Champ, Ponsi, Koiralo, Bakaino	Forest/ Private holding	84	Cow Dung, Forest litter	50,000-60,000	Dept., Public, Schools and Monasteries	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Azelea, Bar, Panisaj, Thuja Dhupi, Cherry, Nebara, Lapsi,Bottle Brush, Bhadrasay, Okhar, Nilkamal, Phumsi, Pipli,Rani Champ, TitayChamp, Tooni,Dhupi, Kamal Ful, Bangey, Gauva, Okhar, Lakali Nebara	Forest/ Private holding	84	Cow Dung, Forest litter	50,000-60,000	Dept., Public, Schools and Monasteries	
Water Sources: Bakthang Falls						
Constraints:						
1. Irrigation Facilities						
Nursery In-charge: Mr. Pravesh Tamang; Mobile: 9593288193						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)	
1092	0.84		0.69		0.17	



24. Okharay (JICA)				Altitude: 2438 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Okharay (JICA)	2 Ha	West	Forest	190	20X4, 16X4, 10X4	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply	
Hemlock,Gurans, Bhantay,Angari, Kharai,Gobray Salla	Hilley, Tumbok, Puraytar	260	Forest litter	15,000-20,000	Dept., Public, Schools, Monasteries, Green Mission	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Hemlock,Gurans, Gobraysalla, Dhupi, Arupatay, Phumsi, Gurans	Hilley, Tumbok, Puraytar	300	Cow Dung, Forest litter	2,000-3,000	Dept., Public, Schools, Monasteries, Green Mission	
Water Sources: 13 th Mile Khola						
Constraints:						
1. Irrigation Facilities 2. Toolkits, 3. Fencing, 4. Wild Animal Menace (Bear, Boar and Kalij, Leopard)						
Nursery In-charge: Mr. NimNorbu Sherpa; Mobile: 7872981720						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)		
945	0.6		0.44	0.14		



25. PhaygimBotey (T)			Altitude: 1521 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
PhaygimBotey (T)	1 Ha	West	Forest	150	30X4, 10X4, 6X4, 8X4, 20X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Chimping, Khanakpa, Chiraita, Nakima, Rani Champ, Arupatay, Pipli, Bhuichampa, Phaychang	Forest and Village	150	Forest litter	1.3 lakhs	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Arupatya, Lapsi, Pipli, Panisaj, Gurans, Dokrey, Rani Champ, Azaleas, Budookhati, Nil Kamal	Forest and Village	150	Cow Dung, Forest litter	1 lakhs	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: 13 th Mile Khola					
Constraints:					
1. Irrigation Facilities 2. Toolkits, 3. Fencing, 4. Wild Animal Menace (Bear, Boar and Kalij, Leopard)					
Nursery In-charge: Mr. Chutum Lepcha (BO); Mobile:9083861687					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
950	0.62		0.47	0.16	



26. Buriakhop (T)			Altitude: 2071 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Bhuriakhop (T)	1 Ha	West	Forest	104	20X4, 7X4, 10X4,10X6
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Nebara, Gogun, Rani Champ, Lapsi, Okhar,Cherry	Forest and Village	112	Forest litter	70,000-80,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Rani Champ,Cherry, Gurans, Phusrey Champ, Pipli, Arupatay, Pumsi, Salla, Azaleas	Forest and Village	112	Cow Dung, Forest litter	70,000-80,000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: 13 th Mile Khola					
Constraints:					
1. Irrigation Facilities 2. Toolkits, 3. Working shed					
Nursery In-charge: Mr. Nar Bdr. Gurung; Mobile:9593980858					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
950	0.62	0.47	0.16		



27. Ridge Park Soreng (T)				Altitude: 1637 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Ridge Park Soreng (T)	2 Ha	West	Forest	320	20X4, 15X4, 10X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Rani Champ, Fusaray Champ, Pipli, Arupatey, Cherry, Bhadrasay	Forest and Village	320	Forest litter	1.8 lakhs	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Rani Champ, Fusaray Champ, Pipli, Arupatey, Cherry, Bhadrasay	Forest and Village	320	Cow Dung, Forest litter	1.8 lakhs	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: Dharapani Kholsa					
Constraints:					
1. Irrigation Facilities 2. Toolkits, 3. Working shed					
Nursery In-charge: Mr. Prithiman Limboo; Mobile:9593980858					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
939	0.48	0.45	0.14		



28. Nunthalay (WL)				Altitude: 2241 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Nunthalay (WL)	1.5 Ha	West	Forest	95	16X4, 30X4, 10X3, 49X4, 24X4, 20X4, 49X4, 6X4, 14X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Chiraita, Bikhma, Phakanbed, Budookhati, Gurans	Forest and Village	30-35	Cow dung, Forest litter	80,000-100000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Rani Champ, Lali Gurans, Arupatay, Bhajhrath, Bhadrassy, Pakanbed, Cherry, Chimal, Pumsi, Kapasay, Rani Koiralo	Forest and Village	95	Cow Dung, Forest litter	60,000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: Gal GolayKholso					
Constraints:					
1. Irrigation Facilities 2. Fertilizer, Toolkits, 3. Display Board					
Nursery In-charge: Mr. Tilak Singh Basnet; Mobile:9775978497					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
925	0.55		0.43	0.15	



29. Tarsey (WL)				Altitude: 2258 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Tarsey (WL)	1.5 Ha	West	Forest	120	12X4, 8X4, 10X4, 21X3
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Phakanbed, Kutki, Kenzo, Taxus	Forest and Village	200	Cow dung, Forest litter	90,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Guras, Ranichamp, Koiralo, Arupatay, Chimal, Taxus	Forest and Village	230	Cow Dung, Forest litter	1.10 lakhs	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: Panichowk Khola					
Constraints:					
1. Financial Assistance					
Nursery In-charge: Mr. Lakpa Wangdi Sherpa; Mobile: 9593976443					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
951	0.47	0.44	0.15		



30. Bega (Env & SC)			Altitude: 1883 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Bega (Env& SC)	1.5 Ha	West	Forest	230	12X4, 8X4, 6X4, 4X3, 10X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Pipli, Phachayang, Gurans, Champ, Nebara, Gogun, Amliso, Narkat, Bar	Forest and Village	200	Cow dung, Forest litter	90,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Bajrat, Cherry, Arupatay, Amliso, Nebara, Gogun, Bar, Narkat	Forest and Village	230	Cow Dung, Forest litter	1 lakh	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: GurgurayKhola					
Constraints:					
1. Toolkit		2. Fencing			
Nursery In-charge: Mr. Hem Kr. Gurung; Mobile: 9593976443					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
926	0.52	0.48	0.13		



31. Tikjuk (Propagation)			Altitude: 1966 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Tikjuk (WL)	1 Ha	West	Forest	120	8X4, 9X6, 10X3
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Pipli, Champ, Fusary Champ, Phumsi, Tooni, Lapsi,	Forest and Village	150	Cow dung, Forest litter	70,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Cherry, Panisaj, Gurans, Rani Champ	Forest and Village	230	Cow Dung, Forest litter	90,000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: Gurguray Khola					
Constraints:					
1. Financial Assistance, 2. Toolkit, 3. Working Shed, 4. Working Shed					
Nursery In-charge: Smt. Keshari Maya Rai; Mobile: 9732480749					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
934	0.5	0.49	1.4		



32. Yuksum (T)				Altitude: 1950 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
Yuksum (T)	1.2Ha	West	Forest	175	8X4,6X4,10x4	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply	
Rani Champ, Okhar, Arupatay, Phusray Champ, Kawlo, Pipli, Gurans	Forest and Village	155	Cow dung, Forest litter	70,000-80,000	Dept., Public, Schools, Monasteries, Green Mission	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Rani Champ, Okhar, Arupatay, Phusray Champ, Kawlo, Pipli, Gurans	Forest and Village	175	Cow Dung, Forest litter	80,000-90,000	Dept., Public, Schools, Monasteries, Green Mission	
Water Sources: Chuta Khola						
Constraints:						
1. Toolkits						
Nursery In-charge: Mr. Fipraj Subba (B.O), Mob:9593381417						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)		
929	0.54		0.51	0.15		



33. Ravangla (T)				Altitude: 2084 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Ravangla (T)	0.6Ha	South	Forest	700	8X4,6X4,10x4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Rani Champ, Gurans, Nebara, Gogun, Kapasay, Cherry, Tooni, Kawlo, Phumsi, Malato	Forest and Village	155	Cow dung, Forest litter	50000-60,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Okhar, Azaleas, Cherry, Rani Champ, Aarupatay, Gogun, Buk	Forest and Village	175	Cow Dung, Forest litter	25000-30,000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: BarmeliKhola					
Constraints:					
1. Manpower, 2. Irrigation Facilities					
Nursery In-charge: Mr. Santa Bdr. Chettri; Mobile:8372082514					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
921	0.59	0.49	0.15		



34. 3 rd Rayong (T)				Altitude: 2091 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)	
3 rd Rayong (T)	1Ha	South	Forest	190	20x4, 12X4, 10X4	
Past Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply	
Gurans, Kapasay, Phunchay, Kawlo, Arupatay, Pipli, Rani Champ, Okhar	Forest and Village	180	Cow dung, Forest litter	60000-70,000	Dept., Public, Schools, Monasteries, Green Mission	
Present Nursery Status						
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply	
Gurans, Kapasay, Kawlo, Arupatay, Pipli, RaniChamp, Phusray Champ, Kafal, Satwa, Mel, Cherry	Forest and Village	190	Cow Dung, Forest litter	90,000	Dept., Public, Schools, Monasteries, Green Mission	
Water Sources: Tinkitam Khola						
Constraints:						
1. Toolkits; 2. Irrigation Facilities; 3. Working Shed; 4. Financial Assistance						
Nursery In-charge: Mr. Norba Sherpa; Mobile:9593376165; Mr. Basu Dev Khanal, Mob:7719291628						
Soil Sample Analysis:						
Sample ID No.	Ammonia (%)		Phosphate (%)		Potassium (%)	
933	0.52		0.59		0.16	



35. RalongDeorali (WL)				Altitude: 2254 m	
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Ralong Deorali (WL)	0.6Ha	South	Forest	700	10x4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Cherry, Pipli, Arupatay, Okhar, Dhupi, Katus, Rani Champ, Chimal, Ghero Dhupi, Buk, Gurans	Forest and Village	120	Cow dung, Forest litter	60000-70,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Okhar, Azaleas, Cherry, Rani Champ, Aarupatay, Gogun, Buk	Forest and Village	220	Cow Dung, Forest litter	60000-70,000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: SosetKhola					
Constraints:					
1. Toolkits, 2. Irrigation Facilities; 3. Working Shed					
Nursery In-charge: Mr. Ram Bdr. Rai; Mobile:8372082514					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
938	0.59	0.48	0.14		



36. Maniram Bhanjyang (T)			Altitude: 1520 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Maniram Bhanjyang (T)	1Ha	South	Forest	300	12X4, 10X4, 8X4, 19X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Nabera, Gagun, Panisaj, Bar, Chakrasay, Rani Champ, Okhar, Fusray Champ, Bhadrasay, Dhupi, Tooni, Pipli, Lapsi, Cherry	Forest and Village	360	Cow dung, Forest litter	30,000-35,000	Dept., Public, Schools, Monasteries, Green Mission
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Rani Champ, Fusray Champ, Titay Champ, Pipli, Arupatay, Cherry, Bhogatay, Lapsi	Forest and Village	300	Cow Dung, Forest litter	25,000-35000	Dept., Public, Schools, Monasteries, Green Mission
Water Sources: Pharey Khola ,Phacharay					
Constraints:					
1. Irrigation Facilities					
Nursery In-charge: Mr. Purna Bdr. Tamang; Mobile:9083460997;Mr.Dawa Tamang (B.O), Mob:9800677738					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
924	0.5	0.45	0.15		



37. Phodong (T)			Altitude: 1672 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Phodong (T)	0.4Ha	North	Forest	45	6X4, 10X4, 7X4, 18X4
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Titey Champ, Poms, Dhupi, Tooni, Nebara, Bhakiamilo, Okhar	Malbasey, Paiyong Forest and Villages	45	Cow dung	70,000	Dept., Public, Schools, Monasteries, Police and SHG
Prasent Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Malagiri, Poms, Arupatey, Cherry, Neel Kamal, Lalupatey, Titey Champ, Azalea, Hydenzia	Forest and Village	45	Cow Dung	50,000	Dept., Public, Schools, Monasteries, Police and SHG
Water Sources: PHE Water Supply					
Constraints:					
1. Toolkits					
Nursery In-charge: Mr. Dawa Rinzing Sherpa; 8016756540					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1004	0.52	0.5	0.15		



III. Forest Nurseries in the Alpine Belt (>3000 m)

01.Thangu (NTFP)			Altitude: 3600 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
Thangu (NTFP)	1 Ha	North	Private Holding		4X3
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/year	Remarks/Supply
Kutki, Bikhma, Panchamle, Jatamansi	Jungle near Gurudongmar		Forest litter & Sheep pellets	60,000 to 70,000	Dept., Public, Roadside
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Kutki, Bikhma, Panchamle, Jatamansi	Jungle near Gurudongmar		Forest litter & Sheep pellets	90,000	Dept., Public, Roadside
Water Sources: Yeruphu					
Constraints:					
1. Toolkits		2. Irrigation Facilities		3. Protective Fencing	
Nursery In-charge: Mr.Bhaichung Lachenpa (HFG), Mobile:7076112501					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)	Phosphate (%)	Potassium (%)		
1001	0.45	0.48	0.15		



02. 15 th Mile Kyongnosla (NTFP)			Altitude: 3020 m		
Name of the Nursery	Area	District	Status of Land	No. of Beds	Bed Size (Ft)
15 th Mile Kyongnosla (NTFP)	1 Ha	East	Forest	1200	2X5, 3X5, 3X12, 3X10, 3X8
Past Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production/ year	Remarks/Supply
Pakhanbet, Padamchal, Nilobikh (Shiva Guru), Jatamashi (Nag Buk), Kutki, Paach Patay, Paach Aml, Gensing, Gobray Salla, Bikhma (Seto and Kalo), Jungli Lausun	Forest	700	Cow Dung, Forest litter	50,000-60,000	Dept., Public, Schools and Monasteries
Present Nursery Status					
Local Name of the Plant	Source of Seed	No. of Bed	Manure Used	Production in a year	Remarks/Supply
Pakhanbet, Padamchal, Nilobikh (Shiva Guru), Jatamashi (Nag Buk), Kutki, Paach Patay, Paach Aml, Gensing, Gobray Salla, Bikhma (Seto and Kalo), Jungli Lasun	Forest	1200	Cow Dung, Forest litter	1-1.5 lakhs	Dept., Public, Schools and Monasteries
Water Sources: Rongchu					
Constraints:					
1. Temporary Shed					
Nursery In-charge: Mr. Tshering Bhutia; Mobile: 9475733988					
Soil Sample Analysis:					
Sample ID No.	Ammonia (%)		Phosphate (%)	Potassium (%)	
1094	0.61		0.75	0.24	



SECTION II: PHYSICAL PROPERTIES OF SOIL AND WATER

Soil pH			
Sl.No.	ID No.	Name of Nursery	pH Value
1.	921	Ravangla	5.8
2.	922	Sagbhari	6.7
3.	923	Kaluk	6.2
4.	924	Maniram Bhanjyang	6.4
5.	925	Nunthalay	5.3
6.	926	Bega	6
7.	927	Kamandalay (S)	4.6
8.	928	Sherathang	6.9
9.	929	Yuksum (W)	6.4
10.	930	Melli I	6.6
11.	931	Melli II	6.8
12.	932	Hee-kyangbari	6.4
13.	933	Rayong	6
14.	934	Tikzuk [w]	5.8
15.	935	Dorongpani 1(S)	6.7
16.	936	Dorongpani 2 (S)	5.8
17.	937	Buriyakup	6.8
18.	938	Ralong Deorali	6.7
19.	939	Ridge Park	6.4
20.	940	Chisopani	6.3
21.	941	Sipsoo NTFP	6.5
22.	942	Tikpur (t)	6.1
23.	943	Simphu (E &SC)	6.6
24.	944	Bhari Khola	6.5
25.	945	Okharay	6.1
26.	946	Daramdin (T)	5.9
27.	947	Geyzing	6.1
28.	948	Gyalsing (T)	6
29.	949	Bagwa (T)	5.9
30.	950	Phayghim Botey Rumbuk (T)	5.7
31.	951	Tarsey (NTFP)	6.5
32.	981	Mamring II	5.6
33.	982	Mamring I	6
34.	983	Mamring III	6.1
35.	984	Bhagay Khola (T)	6.9
36.	985	Salingey Bhagey	7.1
37.	986	Mamring	7
38.	993	Pakshep	6.1
39.	994	Tingchim	4.2
40.	995	Mensithang (KNP/KBR)	5.5
41.	996	Chawang(T)	5.6
42.	997	Kabi(T)	4.8
43.	998	Hee-gyathang (E&Sc)	5.1
44.	999	LachenPeople(T)	5.3
45.	1000	Pharey(T)	6.8
46.	1001	Thangu(NTFP)	5.6
47.	1002	NamprikdangGuest House	5.6
48.	1003	Labarbotay (S/F)	5.2
49.	1004	Phodong(T)	6.5
50.	1005	Mensithang (KNP/KBR)	5.9
51.	1006	Boop(E&Sc)	5.6

52.	1007	Ringdang(T)	6.3
53.	1008	Hee-gyathangGaonsandong	5.6
54.	1009	Phidang	5.6
55.	1010	Namprikdang(K N P)	5.2
56.	1011	Namsing(NTFP)	6.3
57.	1012	NewCreation(S/F)	5.5
58.	1013	Rafom(T)	5.9
59.	1014	LingdongMakaray	5.6
60.	1015	Tingda	5.7
61.	1016	Namprikdang(S/F)	6.1
62.	1043	Pangthang(WL)	5.1
63.	1044	Bulbulay	5
64.	1045	Pangthang(NTFP)	5.5
65.	1050	Dhanbhari(LU)	5
66.	1051	Rakshey4thmile (WL)	5.3
67.	1052	Gurdum(WL)	4.8
68.	1053	BII (S/F)	4.8
69.	1054	Chungkham	4.6
70.	1055	ChangkhamII (Sang)	5.4
71.	1056	Rongli(LU)	5.4
72.	1057	Rongli (LU)	5.5
73.	1058	Dipudara(LU)	6.1
74.	1059	Cheuribotay(E&Sc)	5.7
75.	1060	Likchu	5.5
76.	1061	Samsing Nursery (E&Sc)	5
77.	1062	Lower Zitlang	6.6
78.	1072	Rorathang I (Sericulture)	5.6
79.	1073	RorathangII	6.7
80.	1074	Rorathang(NTFP)	6.6
81.	1075	Parkha (E&Sc)	4.9
82.	1076	Kartok(T)	4.6
83.	1090	Gaidhara(SF)	5.8
84.	1091	Lingdum(T)	4.9
85.	1092	Burtuk	5
86.	1093	Lagyap (S/F)	5.8
87.	1094	Kyongnosla (NTFP)	5.1
88.	1095	ForestColony Gangtok	5.7
89.	1096	6thmile (E&SC)	5.2
90.	1097	Assam Linzey	4.6

Soil Magnesium, Soil Nitrate and Soil Sulphate

Sl.No.	ID No.	Name of Nursery	Magnesium (%)	Nitrate (%)	Sulphate (%)
1.	921	Ravangla	9.3	2.0	1
2.	922	Saagbari	8.7	1.89	2
3.	923	Kaluk	9	1.83	2
4.	924	Maniram Bhanjyang	10.4	2.23	1.9
5.	925	Nunthalay	10.8	2.34	2
6.	926	Bega	8.2	2.1	1.8
7.	927	Kamandhalay (S)	9	1.97	1.9
8.	928	Sherathnag	8	1.83	2
9.	929	Yuksam	10	2.2	2.1
10.	930	Melli 1	10.3	1.95	2.1
11.	931	Melli 2	10.1	2.09	2
12.	932	Hee-Kyangbari	8	1.9	1.8
13.	933	Rayong	9.9	1.83	2
14.	934	Tikzuk (W)	8.1	1.77	1.9
15.	935	Dorongpani 1(S)	8.9	1.95	1.7
16.	936	Dorongpani 2 (S)	9.4	2.12	2
17.	937	Bhuriakhop	10.2	1.82	1.8
18.	938	Ralang Deorali	8.1	1.78	0.18
19.	939	Ridge Park Soreng	9.4	1.76	1.8
20.	940	Chisopani	8.7	1.96	2
21.	941	Sipsoo NTFP	7.8	1.95	1.8
22.	942	Tikpur (T)	9.8	1.99	1.8
23.	943	Simphu (Env. &SC)	9.2	2.07	2
24.	944	Bhari Khola	7.9	1.72	1.9
25.	945	Okharay	8.9	1.77	1.8
26.	946	Daramdin (T)	9.3	1.81	2.1
27.	947	Gyalshing 1	8.5	1.87	2
28.	948	Gyalshing 2	9.2	1.82	1.8
29.	949	Bagwa	8.6	1.86	1.8
30.	950	Phagyim Bhotay	10.8	1.91	2
31.	951	Tarsey (NTFP)	8.2	1.93	2
32.	981	Mamring II (NTFP)	8.8	1.65	2.1
33.	982	Mamaring I	7.8	1.74	2
34.	983	Mamring III	8.9	1.77	2
35.	984	Bhagay Khola (T)	7.7	1.75	1.9
36.	985	Salingey Bagay (E)	7.6	1.68	1.8
37.	986	Mamring IV(Sericulture)	9.2	1.77	1.7
38.	993	Pakshep (T)	0.92	1.77	2
39.	994	Tingchim (T)	9	1.91	1.9
40.	995	Menshithang(KNP/KBR)	8.8	1.99	2.1
41.	996	Chawang(T)	9.1	1.28	2.1
42.	997	Kabi (T)	9.1	1.93	2
43.	998	Hee-gyathang (E&SC)	9.4	1.99	1.9
44.	999	Lachen People (T)	9.5	1.74	2.1
45.	1000	Pharey (T)	9.4	1.91	2.1
46.	1001	Thangu (NTFP)	9.2	2.08	1.7
47.	1002	Namphrikdang Guest House	10.1	1.86	1.9
48.	1003	Labarbotay (S/F)	8.7	2.04	2.1
49.	1004	Phodong (T)	9.4	1.81	1.6
50.	1005	Menshithang (T)	8.5	2.03	2.1
51.	1006	Boop	9.1	1.7	2
52.	1007	Ringdang (T)	9.4	1.91	1.9

53.	1008	Gaonsamdong	9.4	1.98	2.1
54.	1009	Pheedang	8.1	1.8	1.7
55.	1010	Namphrikdang(KNP/KBR)	8.6	1.64	1.9
56.	1011	Namsing (NTFP)	9.1	1.94	2.2
57.	1012	New Creation (S/F)	9.7	1.67	1.9
58.	1013	Rafom (T)	9	1.97	2
59.	1014	Lingdong	8.1	1.87	1.9
60.	1015	Tingda	9.2	1.89	2
61.	1016	Namphrikdang (S/F)	0.92	1.85	2.1
62.	1043	Pangthang (WL)	0.85	1.7	1.9
63.	1044	Bulbulay (FCA)	9.4	1.81	2
64.	1045	Pangthang (NTFP)	8.6	2.11	1.7
65.	1050	Dhanbari (LU)	13.6	2.4	3
66.	1051	Rakshay	1	3	3.1
67.	1052	Gurdum (WL)	14.5	2.94	2.7
68.	1053	BII (S/F)	14.5	3	2.5
69.	1054	Changkham	7.8	1.9	2
70.	1055	Changkham Sang	9.2	1.89	2
71.	1056	Rongli (LU)	9.1	1.84	1.8
72.	1057	Rongli	1.83	2	
73.	1058	Dipudara (LU)	1.7	1.8	
74.	1059	Cheuribotay (Env &SC)	1.76	1.8	
75.	1060	Likchu	2.07	2	
76.	1061	Samsing(ENV &SC)	2.05	2.1	
77.	1063	Lower Zitlang	1.98	1.9	
78.	1072	Rorathang(Sericulture)	3	3	
79.	1073	Rorathang	3	2.4	
80.	1074	Lower Tarpin Rorathang	2.83	3.1	
81.	1075	Parkha (Env &SC)	2.51	3.2	
82.	1076	Kartok (T)	2.79	2.5	
83.	1090	Gaidhara(S/F)	2.08	2.1	
84.	1091	Lingdum(T)	2.99	2.3	
85.	1092	Burtuk(S/F)	2.81	2.9	
86.	1093	4th Mile Lagyap(S/F)	2.86	2.5	
87.	1094	Kyongnosla (NTFP)	1.03	2.8	
88.	1095	Forest Colony	2.65	2.4	
89.	1096	6th mile (Env &SC)	2.93	2.6	
90.	1097	Assam Lingzey	2.94	2.2	

Soil Moisture			
Sl. No.	ID	Name of the Nursery	Moisture Content (%)
1.	921	Ravangla	25.77
2.	922	Saagbari	21.38
3.	923	Kaluk	28.87
4.	924	Maniram Bhanjyang	24.37
5.	925	Nunthalay	39.68
6.	926	Bega	23.09
7.	927	Kamandhalay	14.03
8.	928	Sherathang	11.06
9.	929	Yuksam	20.48
10.	930	Melli 1	17.78
11.	931	Melli 2	6.64
12.	932	Hee-Kyangbari	20.64
13.	933	Rayong	31.84
14.	934	Tikjuk	25.90
15.	935	Dorongpani 1	19.21
16.	936	Dorongpani 2	18.37
17.	937	Buriakhop	17.51
18.	938	RalangDeorali	28.37
19.	939	Ridge Park Soreng	31.28
20.	940	Chisopani	18.78
21.	941	Sipsoo	14.96
22.	942	Tikpur	14.68
23.	943	Simphu	11.27
24.	944	Bharikhola	9.92
25.	945	Okharay	28.90
26.	946	Daramdin	11.68
27.	947	Gyalshing I	26.96
28.	948	Gyalshing 2	21.97
29.	949	Bagwa	16.19
30.	950	Phayghim Botey	22.31
31.	951	Tarsey	29.14
32.	981	MamringI	13.34
33.	982	Mamring II	20.16
34.	983	Mamring III	14.56
35.	984	Bhagay Khola	9.50
36.	985	Salingey Bhagey	17.17
37.	986	Mamring III	20.77
38.	993	Pakshep	35.87
39.	994	Tingchim	23.05
40.	995	Mensithang KNP/KBR	22.29
41.	996	Chawang	24.31
42.	997	Kabi	22.82
43.	998	Hee-gyathang	17.19
44.	999	LachenPeople	20.21
45.	1000	Pharey	11.15
46.	1001	Thangu	11.98
47.	1002	Namprikdang	15.91
48.	1003	Labarbotay	24.92
49.	1004	Phodong	20.47
50.	1005	Mensithang	25.20
51.	1006	Boop	26.52

52.	1007	Ringdang	15.12
53.	1008	Gnonsangdong	24.87
54.	1009	Pheedang	35.83
55.	1010	Namprikdang KNP	30.93
56.	1011	Namsing	24.77
57.	1012	New Creation (S/F)	24.23
58.	1013	Rafom	30.70
59.	1014	Lingdong Makaray	34.94
60.	1015	Tingda	20.21
61.	1016	Namprikdang	20.90
62.	1043	Pangthang	7.10
63.	1044	Bulbulay	31.74
64.	1045	Pangthang	20.31
65.	1050	Dhanbhari	31.36
66.	1051	Rakshey 4th mile	39.36
67.	1052	Gurdum	39.16
68.	1053	B II	27.35
69.	1054	Chungkham	30.56
70.	1055	Changkham	25.74
71.	1056	Rongli	21.82
72.	1057	Rongli II	14.71
73.	1058	Dipudara	24.48
74.	1059	Cheuribotay	21.48
75.	1060	Likchu	21.66
76.	1061	Samsing	37.42
77.	1062	Lower Zitlang	16.10
78.	1072	Rorathang	29.49
79.	1073	Rorathang	24.32
80.	1074	Lower Tarpin Rorathang	24.62
81.	1075	Parkha	30.53
82.	1076	Kartok	41.46
83.	1090	Gaidhara	18
84.	1091	Lingdum	31.83
85.	1092	Burtuk	33.88
86.	1093	4th Mile Lagyap	30.82
87.	1094	Kyongnosla	27.38
88.	1095	Forest Colony	23.01
89.	1096	6th mile	33.11
90.	1097	Assam Lingzey	31.19



**GOVERNMENT OF SIKKIM
DEPARTMENT OF FORESTS AND ENVIRONMENT
QUALITY CONTROL LABORATORY, FORESTS SECRETARIAT, DEORALI, GANGTOK**

Ref No: 09/JUNE//FEWMD/QCL/2020 (Con.)

Date: 11.06.2020

TEST REPORT

Particulars of Sample Analyzed:

Sample received from/ Name	Assistant Conservator of Forest	Sampling Protocol	Standard Protocol
Address	Forest and Environment Department, Government of Sikkim	Date of Sampling	
Contact Person	Chewang Tashi Bhutia	Date of Receipt	11/05/2020
Collection Point	Nurseries Sites	Date of Analysis	27/05/2020
Sample Description	Water	Sample Received condition	Good
Sender's Letter No and Date	GOS/FEWMD/R&E/83 Dated 13/03/2020	Sample Container	Glass Bottle

Result of analysis : Conductivity

SL. NO	ID NO	NAME OF NURSERY	Unit	At Temperature °C	Conductivity
	952	DORONG PANI	microsiemens	10.4	32.4
	953	KAMANDALAY [S]	microsiemens	21.4	25.4
	954	RAYOUNG 3TH MILE	microsiemens	21.4	29.9
	955	MANIRAM BHANJHANG [S]	microsiemens	21.4	25.6
	956	TARSEY (NTFP)	microsiemens	21.4	17.50
	957	SAGBHARI	microsiemens	21.4	23.4
	958	YUKSUM	microsiemens	23.1	2.72
	959	SHERATHANG	microsiemens	21.3	23.4
	960	GYALSING	microsiemens	21.4	12.45
	961	TIKZUK [W]	microsiemens	10.5	27.3
	962	BEGA [W]	microsiemens	14.4	22.9
	963	RIDGE PARK [SORENG] W	microsiemens	23.0	7.58
	964	RALANG DEORALI	microsiemens	21.4	16.30
	965	RAVANGLA [S]	microsiemens	21.5	16.23
	966	GEYZING	microsiemens	21.4	13.49
	967	DARAMDIN (T) [W]	microsiemens	21.4	27.9
	968	BHARI KHOLA	microsiemens	15.6	21.8
	969	BAGWA (T)	microsiemens	12.2	23.8
	970	CHISOPANI	microsiemens	21.5	13.86
	971	BURIYAKHOP	microsiemens	10.6	31.7
	972	KALUK [W]	microsiemens	21.4	16.81
	973	TINPUR [W]	microsiemens	21.4	37.3
	974	HEE-KYOUNG BARI [W]	microsiemens	15.9	21.5
	975	SIMPHU ENV AND SC [W]	microsiemens	20.8	7.52

976	OKHARY	microsiemens	21.5	14.55
977	NUNTHALAY [W]	microsiemens	21.4	27.5
978	SIPSO [W]	microsiemens	22.1	15.93
979	PHAYGUM BOTAY RUMBUK [W]	microsiemens	21.6	10.33
980	MELLI	microsiemens	13.7	23.0
987	SALINGEY BAGEY [E]	microsiemens	10.3	29.6
988	MAMRING [2] [NTFP] S	microsiemens	9.5	31.5
989	MAMRING [3] S	microsiemens	12.3	30.7
990	MAMRING [2] [ENV. &SC] S	microsiemens	9.8	26.2
991	BAGAY KHOLA [E]	microsiemens	9.0	32.3
992	MAMRING FARM 3 [SERICULTURE]	microsiemens	9.0	25.4
1017	PAKSHEP (T) N]	microsiemens	21.5	17.67
1018	TINGCHIM[N] [T]	microsiemens	21.3	14.76
1019	HEE-GYATHANG GNONSANGDONG	microsiemens	21.4	14.32
1020	NAMPRIKDANG [KNP] N	microsiemens	21.6	14.44
1021	NANMSING [NTFP] N	microsiemens	21.3	25.5
1022	LABAR BOTAY [S.F] N	microsiemens	21.5	12.47
1023	PHEEDANG [N] ENV &SC	microsiemens	21.6	15.91
1024	PHODONG (T) N	microsiemens	21.4	24.8
1025	MENSITHANG (KNP/KBR) N	microsiemens	21.4	17.88
1026	NAMPRICDANG [KNP] N	microsiemens	21.4	17.24
1027	NAMPRIKDANG GUEST HOUSE [N] (S.F)	microsiemens	21.3	24.5
1028	RAFOM (T) N	microsiemens	21.4	12.40
1029	RINGDANG N	microsiemens	21.3	13.36
1030	BOP [L/U] N	microsiemens	21.3	23.7
1031	LINGDONG BARFOK [N]	microsiemens	21.5	14.11
1032	GNONSANGDONG [T] N	microsiemens	21.6	14.34
1033	LACHEN PEOPLE'S N	microsiemens	21.4	17.35
1034	PHAREY N	microsiemens	21.6	24.0
1035	THANGU N	microsiemens	21.7	17.34
1036	MINSITHANG[T] N	microsiemens	21.4	13.45
1037	KABI N	microsiemens	21.2	17.93
1038	TINGDA N	microsiemens	21.5	17.15
1039	CHEWANG N	microsiemens	21.6	28.3
1040	PANGTHANG [W/L] N	microsiemens	21.7	24.6
1041	BULBULAY	microsiemens	21.7	17.48
1042	PANGTHANG [NTFP]	microsiemens	21.6	13.60
1046	B 2 [2] [S/F] E	microsiemens	21.4	14.94
1047	DHAN BHARI [L/U] E	microsiemens	21.3	17.64
1048	GURDUM [W/L] E	microsiemens	21.5	13.33
1049	ROKSHEY 4TH MILE [W/L] E	microsiemens	21.5	14.04
1063	CHUNGKHAM NURSERY [E]	microsiemens	21.7	17.58
1064	CHANGKHAM NURSERY [SANG] T [E]	microsiemens	21.6	17.33

Conclusion:

- Systematic analysis of the field, soil, water, infrastructure and its setup are essential components for the overall development of nurseries.
- All reports of the nurseries based on soil and water analysis were included to reflect the present status and future requirements. All indicators are essential to correlate the requirements and their improvements.
- In addition, this study is a baseline for the future management of Forest Nurseries which was conducted in 2020-2021.
- “Quality Management of the Nurseries is therefore, a result of systemic analysis which ought to be conducted on regular basis for successful outcomes.