February 1998

GOB/WB

Forest Resources Management Project

Technical Assistance Component

Final Report: Forest Inventory of the Natural Forest and Forest Plantations (CHITTAGONG Forest Division)

J.A.V. REVILLA
Forest Inventory Specialist

ISHTIAQ UDDIN AHMAD, DCF (RIMS)
FIS Counterpart

and

ABDUL MABUD
DFO-WP (Chittagong)

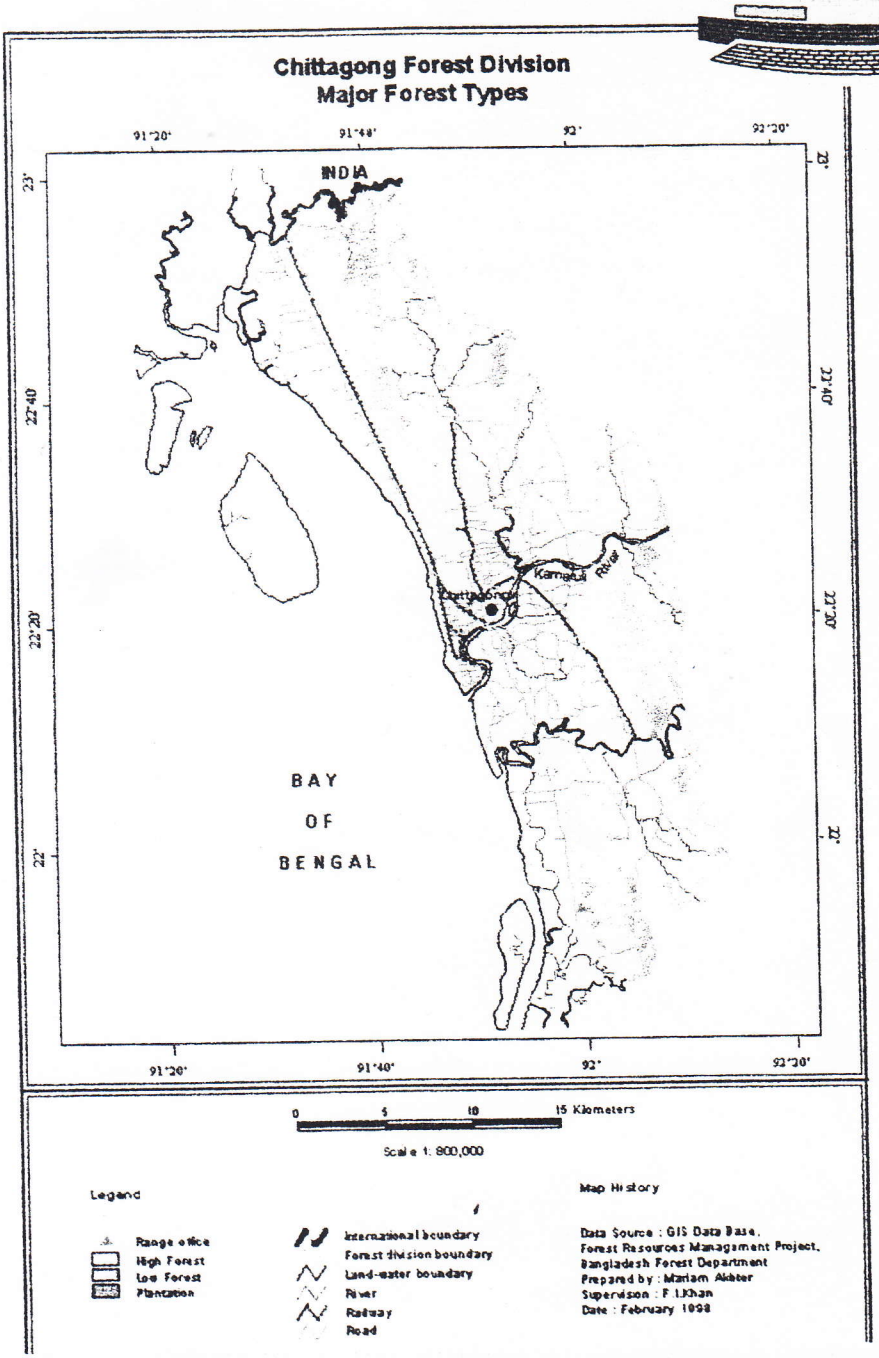
Mandala Agricultural Development Corporation
and
Forest Department
Ministry of Environment and Forests
Dhaka, Bangladesh
February 1998

Table of Contents

List of Tables

List of Appendices

CHITTAGONG Forest Statistics



Statistics	Chittagong Natural Forest	Chittagong Plantations
Area ha	59679	14143
n	548	251
NT/ha	13	42
BA/ha	1.32	2.25
Vol/ha	10.87	11.32
SE%	10.9	11.6
Seedlings	735	615
Saplings	323	362
Poles	151	379

February 1998

GOB/WB

Forest Resources Management Project

Technical Assistance Component

Final Report: Forest Inventory of the Natural Forest and Forest Plantations (CHITTAGONG Forest Division)

J.A.V. REVILLA
Forest Inventory Specialist

ISHTIAQ UDDIN AHMAD, DCF (RIMS)
FIS Counterpart

and

ABDUL MABUD
DFO-WP (Chittagong Forest Division)

Mandala Agricultural Development Corporation
and
Forest Department
Ministry of Environment and Forests
Dhaka, Bangladesh
February 1998

February 1998

Final Report: Forest Inventory of the Natural Forest and Plantations

(CHITTAGONG Forest Division)

J.A.V. REVILLA[1]
Forest Inventory Specialist, FRMP-TA

ISHTIAQ UDDIN AHMAD, DCF (RIMS)
FIS Counterpart

and

ABDUL MABUD
DFO-WP (Chittagong FD)

Conclusions and Recommendations

1. The FRMP forest inventory of the Chittagong Forest Division has generated adequate results considering the highly fragmented condition and very high variability of the remaining stands. The sampling error of the volume estimate at the division level is 9.0% which is much higher than the target precision of not greater than 5%. Evidently, the remaining forests have changed dramatically since the last inventory in 1984 such that to attain a sampling error of not greater than 5% at the division level would have required more than twice the time and resources available for the inventory work. Even assuming that the additional time and resources are available, the current sad conditions of the remaining forests would not be helped by statistics with higher precision hence the additional time and expense to attain it would not be justified. The sampling errors at the stratum level are also higher than the designed targets of the forest inventory (Table 4) except maybe HF/GF, LF, T/OT 59 and T/OT 60-79 which have border-line sampling errors: 15.4%, 16.3%, 18.0% and 16.7%, respectively. When taken altogether, however, the sampling error of the volume estimate for the natural forest is not so bad at 10.9%. The same is true with the forest plantations which have a sampling error of 11.6%. Obviously, the big task of forest management is to make the Chittagong forests more productive in terms of goods and services for the people, hence, the results generated by this forest inventory even if the desired precision level was not quite attained, are indeed adequate to plan more productive forests in the Chittagong Forest Division.

2. A comparison of the 1984 FAO/UNDP inventory and this inventory shows that the areas of the natural forest (HF/GF/LF/ST) and plantations had both increased during the 12-year period (Table 6). The plantation areas may have actually increased from 13223 ha. to 14109 ha. but the recorded increase in the area of the natural forest is more likely due to the inclusion of areas that were omitted in 1984 into the 1996 area estimates. The number of trees (30-cm+ dbh) per hectare in all the four strata in the natural forest had decreased by

[1] All programming tasks were done by Delwar Hossain, Computer Programmer, FRMP-TA except the first prototype of DEVP which was programmed by A. Revilla.

67% (from about 40 trees in 1984 to only 13 trees/ha in 1996). The pole-sized trees (10 to 30-cm dbh) had also decreased from 128 to 168 trees/ha in 1984 to only 50 trees/ha in 1996. The number of trees per hectare in the two important Teak strata, T/OT 59 and T/OT 60-79, also decreased from 220 to 630 stems/ha in 1984 to 145 in 1996 and from 470 to 1040 stems/ha in 1984 to only 83 stems/ha in 1996, respectively. And, the situation is at least as bad in the case of the other plantation strata (Table 6). Only the bamboo resources had not shown any significant decrease during the period.

3. The integrated forest management plan for the Chittagong Forest Division is being prepared by the DFO-WP alongside the preparation of the plan for Cox's Bazar by the FRMP-TA. The issue on the management of the natural forest and forest plantations, i.e., how to make these areas much more productive, has to be addressed by the forest management system in addition to the social, environmental and biodiversity conservation issues. Obviously, there is a lot of room to improve the yields of the forest plantations of the Chittagong Forest Division to help meet the wood requirements of the country.

4. A **continuing resources change assessment system** (CRCAS) for the Chittagong Forest Division (CFD) is hereby strongly recommended. CRCAS must be designed, supported and implemented to provide timely (at least annually) resource change statistics for the Forest Managers, the Leaders and people to respond effectively to any aggravating circumstances. The basic components of CRCAS have now been set in place by FRMP at the RIMS/GIS Wing of FD. What more are needed include: a) staff to operate and maintain the system, b) annual field check/enumeration/measurement of one-tenth to one-fifth of the one-minute grid plot clusters so that all plot clusters would have been re-visited/re-enumerated in five to 10 years, c) annual/biennial acquisition of appropriate satellite imageries covering portions (sensitive portions) of the Chittagong Forest Diviaion to detect resource changes, d) ground monitoring system to check areas identified on the satellite imagery to have unusual activities/changes, and e) RIMS/GIS personnel to conduct necessary studies including strategic studies to manage and conserve the CFD forests and other forest resources for the maximum benefit of the people of Bangladesh.

5. With the adoption of the 100-ha cell (1 km grid) divided into 25-ha quadrats (1/2 km sub-grid) as field operational units, the initial (1996) condition of each cell and quadrat can be described by information available in the RIMS-GIS database and the results of the forest inventory. Each cell and quadrat has a lat-long coordinate hence the forest type and forest inventory stratum of each cell and quadrat can be identified. The stratum statistics generated by the forest inventory are then used to quantify the forest resources in the cell and quadrat, at least initially. All data that were gathered in the field and were entered in the forest inventory database are also available at the plot/plot cluster level (even at the tree level) and each plot cluster has a lat-long coordinate, hence, more detailed information on each plot cluster can be readily accessed whenever necessary. The information about each cell and quadrat is then updated on an annual/continuing basis by the field offices as part of CRCAS and proactive forest management.

Scope and Objectives of the Forest Inventory Sub-Component of FRMP

The FRMP forest inventory sub-component covers eight Forest Divisions, namely: the Sundarbans Reserved Forest, Cox's Bazar, Chittagong, Cox's Bazar, Noakhali C/A, Chittagong C/A, Patuakhali C/A and Bhola C/A Forest Divisions. As indicated in the sampling design

specifications of these forest inventories, the objectives of the FRMP inventories are threefold. The primary objective is to generate information on the standing timber and other resources (bamboo, rattan, golpatta/nipa and medicinal plants) for integrated forest management planning purposes. The second objective is to provide abstract time-series data, whenever possible, for plantation yield modeling purposes. And, the third objective is to set up or at least provide a basis for setting up a system of "hidden" recurrent sample plots for continuous monitoring and assessment of change in the target forest areas.

Target Precision, Sample Size (No. of Plot Clusters) and Sample Plot Configuration

Target precision. - The FRMP forest inventories were designed to attain a precision of the estimates of not greater than 5% sampling error based on the total volume of trees/ha in each division, not more than 10 to 15% sampling error for each of the more important strata, and not more than 20% sampling error for the other strata. These precision levels are considered adequate for forest management planning purposes and they apply in all the forest divisions covered by FRMP, except the C/A divisions where it would have been necessary to double the resources and time requirements of the field sampling work to attain a sampling error of 5% or less at the division level.

Sample size, n, for the Chittagong Forest Division. – Considering that aerial photo-interpretation and mapping of the Chittagong Forest Division had not been started at the time the sampling design was being prepared, a stratified random sampling design was not feasible. As such, a systematic sample was resorted to. With the wide range of areas of the forest types in the division, it was more efficient to use unequal probability sampling. As a result, the sampling unit may vary in weight from one stratum to another. To attain the target precision of estimates, based on available information at the time, the planned sample size was 1120 for the whole division with three different grids: 40"x20" in HF, LF and ST, 20"x20" in all the plantations, and 10"x10" in B stratum. As such, a sampling unit in the HF, LF and ST strata has twice the weight of one in the forest plantations and eight times the weight as that in B stratum. The details of the sample distribution into the tentative strata are given in the first fielding report of the FIS (June 1995).

Sample plot configuration. – The "sample plot" adopted for the FRMP forest inventories is a **cluster of five plots** where a "plot" is actually a set of sub-plots, one sub-plot each for seedlings (1-m radius); saplings, rattan with less than 3-m long stem, small stem/other bamboo and medicinal plants (2-m radius); poles, Muli bamboo and rattan with 3-m stem or longer (5-m radius); and, trees and plantation bamboo (11-m radius). The five plots in the plot cluster are spaced 100 meters apart (in the Hill forests) reckoned from the center plot along the cardinal directions except in the case of the natural bamboo stands where the plots are 50 meters apart.

Field Sampling

Samples of the Field Data Enumeration Forms for the Hill forest, one for the natural forest and another for the forest plantations are given in Appendix 1. The field sampling procedures and instructions are contained in the second report of the FIS (July 1995). These procedures/instructions were refined during the training of the field sampling crews starting with the ACFs in October 1995. The codes for the plot and tree description variables and codes for trees and other species are shown in Appendices 2 and 3, respectively.

Field sampling started after the field crews had been trained in the respective Divisions in late 1995 except in the Coastal Divisions where the first sampling crews were fielded only during the 1996-97 season. All regular field enumeration activities were completed in May 1997. All field sampling activities were under the direct supervision of the respective DFO-WP.

Data Entry and Validation

Data entry and initial validation was scheduled to start after the field work season in May 1996. To meet this schedule, the Data Entry and Validation Program (DEVP) was designed starting in December 1995 and programming was scheduled in early 1996. The first prototype of DEVP was ready in May 1996 as scheduled. The structure and technical specifications of the dbf tables and DEVP are indicated in Appendix 4. The details are given in Annex 1 of the FIS' report for his second mission (May 1996).

While the field data were being prepared for entry into DEVP, further refinements were made on the computer program. Data entry and initial validation finally began in July 1996 and continued until this activity was completed for each of the eight Divisions, first, for Sylhet in mid-May 1997 followed by the Sundarbans in early August. All data entry and initial validation activities were completed by the Forest Divisions in September 1997. These activities were also under the direct supervision of the respective DFO-WP.

Tree Volume Equations Studies

In December 1995, initial arrangements were made with BFRI Researchers for them to assist in the improvement of existing tree volume equations for some plantation species, specifically those that were derived using data sets that did not include large trees which were not available at the time the data for the existing equations were collected. It was later agreed that the designated BFRI Researchers (Messrs. Md. Abdul Latif and Sukumar Das and crew) gather additional data particularly on bigger size trees of Akashmoni (*Acacia auriculiformis*), Mangium (*Acacia mangium*) and *Eucalyptus spp*. Data collection started in April 1996 and was completed in June 1996. Data entry and processing were done by the BFRI Researchers thereafter and specification of the tree volume equations for the three species was undertaken jointly with them in January 1997. The results of these studies are being used with existing equations of other species in the generation of tree statistics for the plantations in Sylhet, Chittagong and Cox's Bazar.

Data Processing

The Field Data Processing Program (FDPP). - Design of FDPP started in early 1996 and the technical specifications, flow charts and algorithms were ready to guide the Programmer in encoding FDPP in early May 1996. The draft of the details of the design and technical specifications are contained in Annex 2 of the FIS' report for his second mission (May 1996). The final revisions/refinements are given in the revised version of the same document prepared and submitted in October 1997.

Programming started before July 1996 and individual modules were tested as soon as they were finished. Debugging and refinements continued to be made until the Sylhet and Sundarbans databases were received for final validation and processing.

Final data validation. – Final validation of the forest inventory databases took longer than expected because of high incidence of errors in data entry of plot cluster location coordinates in all cases. Identification of the stratum of each plot cluster as determined on the RIMS-GIS vegetative cover maps also had to wait for completion of digital mapping of the forest divisions.

One thousand eighty-eight (1088) plot clusters were enumerated and but only 1080 plot clusters were validated for final processing for the Chittagong Forest Division, 548 in the natural forest and 532 plot clusters in the forest plantations and other areas.

The main forest types, final strata and species groups. – The main forest types, final strata and species groups used to summarize the stand and stock tables and statistics are given below. The main forest types and strata are consistent with the classes identified in aerial photo-interpretation which were mapped and stored in the RIMS-GIS database.

The **main forest types** are: HF (natural forest with large crown trees, >50% crown cover), GF (similar to HP with Garjan as the dominant species), LF (natural forest with small crown trees, >50% crown cover), ST (scattered trees), Bamboo/bamboo dominated stands, long-rotation species plantations, short-rotation species plantations and others. The hectarages and distribution of these types into the forest ranges and beats are given in Tables 1 and 1a. The areas of the forest plantations by species/species mix and planting year/period and their distribution into the ranges and beats and final strata are shown in Tables 2, 2a and 3.

The final **strata** used to generate the stand and stock tables and statistics for the Hill forests are shown below.

Final Stratification for Generation of Forest Statistics

Cox's Bazar: Strata	Chittagong: Strata	Cox's Bazar: Stratra
1 HF	10 HF/GF	10 HF/GF
2 LF	20 LF	20 LF
3 ST	30 ST/TB	30 ST/TB
4 B/BO/OB	40 B	40 B
5 T/OT, up to 1959	51 T/OT, up to 1959, <75% cc 52 T/OT, up to 1959, >75% cc	50 T/OT, up to 1959, all cc
6 T/OT, 1960-1979	61 T/OT, 1960-1979, <50% cc 62 T/OT, 1960-1979, 50 - 75% cc 63 T/OT, 1960-1979, >75% cc	61 T/OT, 1960-1979, <50% cc 62 T/OT, 1960-1979, 50 - 75% cc 63 T/OT, 1960-1979, >75% cc
7 T/OT, 1980-1989	70 T/OT, 1980-1989, all cc	71 T/OT, 1980-1989, <75% cc 72 T/OT, 1980-1989, >75% cc
8 T/OT, 1990 and up	81 T/OT, 1990 and up, <75% cc 82 T/OT, 1990 and up, >75% cc	80 T/OT, 1990 and up, all cc
9 Other LRS, up to 1984	90 Other LRS, up to 1979, all cc	91 Other LRS, up to 1979, <50% cc 92 Other LRS, up to 1979, 50 - 75% cc 93 Other LRS, up to 1979, >75% cc
10 Other LRS, 1985 and up	101 Other LRS, 1980 and up, <50% cc 102 Other LRS, 1980 and up, 50-75% 103 Other LRS, 1980 and up, >75% cc	103 Other LRS, 1980 and up, >75% 104 Other LRS, 1980 and up, <75% cc
11 Mo, up to 1989	---	---

12 Eu/Am/Ac/Kd/Others, up to 1989	120 Eu/Am/Ac/Others, up to 1989 all cc	120 Eu/Am/Ac/Others, up to 1989 all cc
13 Eu/Am/Ac/Mo/Others, 1990 & up	131 Eu/Am/Others, 1990 & up, <50% 132 Eu/Am/Others, 1990 & up, 50-75% 133 Eu/Am/Others, 1990 & up, >75%	131 Eu/Am/Others, 1990 & up, <50% 132 Eu/Am/Others, 1990 & up, 50-75% 133 Eu/Am/Others, 1990 & up, >75%
14 Other plantations	140 Other plantations	140 Other plantations
15 Others (e.g. EN, FP, Br)	150 Others (e.g. EN, FP, Br, ...)	150 Others (e.g. EN, FP, Br, ...)

Notes: In considering the crown closure classes (cc) of the forest plantations in Chittagong and Cox's Bazar, a stratum with small area was combined with the stratum with attributes closest to its own whenever practicable. For computational purposes, the strata are given numerical codes for each Forest Division. Similar strata may still be combined in final summary of the results of the forest inventory.

Legend:

HF - large crown high forest, >50% crown closure
GF - HF mainly composed of *Dipterocarpus spp.*
LF - small crown high forest, >50% crown closure
ST - scattered trees, about 20% crown closure
TB - natural forest (<50% crown closure) mixed with bamboo
B - bamboo (>80% stocking)
Bo - bamboo (<80% stocking)
OB - bamboo (dominant) with other species
T - Teak
OT - Teak with other species
LRS - long rotation species
MO - Molucanna
Eu - *Eucalyptus spp.*
Am - *Acacia mangium*
Ac - *Acacia auriculiformis*
Kd - *Anthocephalus cadamba (chinensis)*
SRS - short rotation species
EN - Encroached; FP - Failed Plantation
Br - Brush

Specifically for the Chittagong Forest Division, the following strata were combined to generate more meaningful estimates: 61, 62 and 63; 71, 72 and 80; 91, 92 and 93; 103 and 104; and, 120, 131, 132 and 133.

Five **species groups** were decided upon and are being used to summarize the stand and stock tables and statistics for Sylhet, Cox's Bazar and Chittagong Forest Divisions. These are: Special Class, Class A, Class B, Class C and Class D which correspond with the relative market value of the wood derived from the trees. The tree species codes which are given in Appendix 3 also show the commercial class to which each species belongs.

Data processing. – As soon as the location coordinates of the plot clusters were corrected, their respective strata identified, the blocks/beats/ranges validated, and the stratum areas were determined, processing of the CBFD forest inventory data went into full swing. The data were analyzed not only by stratum but also by range and block but the results at the range and block levels could be misleading and are not statistically meaningful nor useful.

In addition to the usual stand and stock tables (per ha estimates) by dbh classes and species groups and total estimates (forest statistics) for the whole Chittagong Forest Division, additional information needed in forest management planning were also generated, e.g.

plantation plot data for yield/growth modeling. Such data were generated for Teak, Garjan, Mangium, and other plantation species.

The timber/forest statistics. – The statistics presented herein are the final results of the FRMP forest inventory of the Chittagong Forest Division. The results of the forest inventory of the CFD are summarized in Tables 4 to 5. The details of these results, the number of trees, their basal area and utilizable volume per hectare, the number of poles, saplings, seedlings, bamboo (immature and mature culms), rattan and medicinal plants are given in the Stand and Stock Tables and Statistics in Appendices 7 and 8. Table 4 gives the summary of tree volumes by stratum and species group. Table 5 shows the poles, saplings and seedlings by species group and stratum.

Regeneration statistics. – The statistics on regeneration are summarized in Table 5. The details are given in the stand and stock tables in Appendix 7. The number of poles vary from about 200 to more than 500 stems per hectare in the different strata except in ST and B which have much fewer poles. The saplings number about 200 to more than 600 per hectare in most of the strata T/OT 60-79 where there are only 40 saplings/ha. There are also relatively few seedlings in the various strata, but the worst part is that most of the seedlings, saplings and poles are in Class D species group.

The Confidence Limits

Confidence limits of stratum mean. - The 95% confidence limits of the stratum mean, **xbar**, is given by the familiar expression:

xbar ± t*se

where: **t** is the t-value at 5% with degrees of freedom, **n*h*-1** (where **n*h*** is the sample size of stratum *h*) and **se** is the standard error of the stratum mean.

Confidence limits of the population mean. - The 95% confidence limits of the population mean, **xdbar**, in stratified sampling is more complicated than the usual procedure specifically in determining its effective degrees of freedom, **ne**.

xdbar ± t*sed

where: **t** is the t-value at 5% level with degrees of freedom **ne** and **sed** is the standard error of the population mean; **ne** is given by the following expression (From: Cochran).

$$ne = (\sum Gh*Sh\hat{}2)\hat{}2/\sum(Gh\hat{}2*Sh\hat{}4/(nh-1))$$

where: $Gh = Nh*(Nh-nh)/nh$,
$Sh\hat{}2$ is the sample variance of stratum *h*,
Nh is the size of stratum *h*,
nh is the sample size for stratum *h*, and
Nh and nh are in the same units, e.g. ha.

The conditions in the forests of Chittagong Forest Division as shown by the results of this forest inventory suggest that the only interesting confidence intervals of estimates are those for the natural forests (combined strata: 10, 20 and 30) and the forest plantations as a whole. This requires the computation of the effective degrees of freedom for these combinations of strata. As computed in Table 7, the effective degrees of freedom, ne, for the natural forest and forest plantations in Chittagong Forest Division are 120 and 63, respectively. The 95% confidence intervals of the tree volume estimates for the natural forest and forest plantations are, therefore, as follows:

NF (strata 10, 20 and 30): 646897 - .0488*1.98*646897 to 646897 + .0488*1.98*646897
or about **584391 to 709403** cu.m. (whole division)

Forest Plantations: 171630 - .116*2.000*171630 to 171630 + .116*2.000*171630
or about **131812 to 211448** cu.m. (whole division).

Assessment of Change in the Forest Resources

Changes in area. - Table 6 summarizes the comparative areas of the major forest types in the 1984 FAO/UNDP inventory and the 1996 FRMP inventory of the Chittagong Forest Divisaion. It should be noted that the 1984 inventory estimated areas on the basis of 1:30000-scale aerial photographs while the FRMP estimates were made from 1:15000-scale aerial photos. A comparison of the 1984 FAO/UNDP inventory and this inventory shows that the areas of the natural forest (HF/GF/LF/ST) and plantations had both increased during the 12-year period. The plantation areas may have actually increased from 13223 ha. to 14109 ha. but the recorded increase in the area of the natural forest is more likely due to the inclusion of areas that were omitted in 1984 into the 1996 area estimates.

Change in stocking. – Table 6 also shows the change in stocking of the natural forest and bamboo stratum over the 12-year period. The number of trees (30-cm+ dbh) per hectare in all the four strata in the natural forest had decreased by 67% (from about 40 trees in 1984 to only 13 trees/ha in 1996). The pole-sized trees (10 to 30-cm dbh) had also decreased from 128 to 168 trees/ha in 1984 to only 50 trees/ha in 1996. The number of trees per hectare in the two important Teak strata, T/OT 59 and T/OT 60-79, also decreased from 220 to 630 stems/ha in 1984 to 145 in 1996 and from 470 to 1040 stems/ha in 1984 to only 83 stems/ha in 1996, respectively. And, the situation is at least as bad in the case of the other plantation strata.

javr/14january98

Table 1. Forest/Land Use/Cover Type by Range, Area in ha (Chittagong)

Range	Accret	Agric., S	Bamb	Brush	Encro	FRI	Garjan	HF(lar	HF w/	Jhu	LF(small	Ope	Outsi	Plantati	Sand	Scattere	Unid	Wate	Total
Barabakia	0	767.1	0	1284.8	73.7	0	130	0	0	0	0	6	0	486.9	0	547.3	0	0.9	3296.7
Baraiyadhala	0	119.4	125	329.3	0	0	0	0	978.4	0.2	1936.3	115	0	751.4	0	2672.6	0	0	7028
Chunati	0	943.5	0	899.1	111	0	83.4	0	0	0	12.9	11.2	0	1458.7	0	2761.3	0	8.9	6289.9
Dohazari	0	426.1	3.6	450.3	24	0	0	2156	421.3	0	625.8	5.2	0	1397.9	0	327.4	0	8.5	5846.2
Hasnabad	0	810.4	177.2	47.8	185	0	0	0	0	0.7	0	6.6	0	1552.8	0	377.7	0	0	3157.8
Hathazari	0	3621.6	1074	1573.1	20.7	0	0	0	416.1	1.6	2462.8	103	0	867.8	0	1123	0	31.3	11295
Ichamati	0	294.1	0	700.3	33.2	29	1.5	0	0	0	17.3	4.4	0	231.5	0	253.7	0	0	1565.3
Jaldi	0	402.5	0.3	540.3	177	0	20.8	0	0	0	4.3	28.1	0	667.2	0	3752.2	0	0	5593.1
Kalipur (P.F.)	0	882.5	0	100.7	2.1	0	0	0	0	0	0.1	1.1	0	147.5	0	904.2	0	0	2038.2
Karerhat	0	2626.2	62.8	945.6	258	0	3.8	4.4	411.1	0	338.5	10.3	0	2912.5	0	394.4	0	40.7	8008.4
Khurusia	0	572	0	196.5	110	0	13.7	979.2	0	2.8	1129.6	2.5	0	122.5	0	110.2	0	4.7	3243.2
Kumira	0	1259.6	690.3	455.5	0	0	0	0	81.4	0	12.1	90.2	0	14.5	0	442.3	0	0	3045.9
Madarsha (P.	0	578.7	0	20.3	0	0	5.6	0	0	0	4.9	0.3	0	56.5	0	488.6	0	3.1	1158
Mirsarai	0	682.2	173.6	568.8	89.7	0	0	0	783.9	0.4	0	18	0	859.8	0	4476.5	0	0.8	7653.7
Narayanhat	0	2560.8	0	1975.1	386	0	1.5	0	971	9.6	193.2	66.2	0	1101.2	0	1048.9	0	5.4	8319
Olinagar	0	556.2	0	231.7	0	0	0	0	0	0	260.5	0	0	154.8	0	192.4	0	61.8	1457.4
Padua	0	659.5	0	342.2	124	4.9	0	602.7	0	0	805.2	0.7	0	762.4	0.1	1062.6	0	23.9	4388.5
Patiya	0	233.9	107.3	1148.7	16.3	0	0	955.7	133.9	0	1733	8.7	0	219.8	0	2258.7	0	0.7	6816.7
Rangunia	0	814.1	0	926.1	6.2	0	0	0	0	0	509.3	1.4	0	331.2	0	607.8	0	3	3199.1
n/a (no forest	729.4	189565	884.1	8432.5	816	81	73.3	137.9	184.6	12	2626.1	308	7945	5574.5	227	10356	10.3	4021	231983
Total	729.4	208376	3299	21169	2433	115	333.6	4836	4382	27.3	12672	787	7945	19671	227	34157	10.3	4215	325383

Table 1a. Forest/Land Use/Cover Type by Block, Area in ha (Chittagong)

Range	Block	Accre	Agric., S	Bambo	Brush	Encroac	FRI Ar	Garjan	HF(larg	HF(mixe	Jhum	LF (sma	Open/Ero	Outsid	Plantatio	Sand	Scattered	Unide	Water,	Total
Barabakia	Barabakia	0	240.3	0	536.2	0	0	120.7	0	0	0	0	0	0	228.4	0	76.9	0	0.2	1202.7
	Paharchanda	0	204.6	0	195.1	20	0	5.2	0	0	0	0	0	0	7.3	0	37.1	0	0.7	470
	Toitang	0	322.2	0	553.5	53.7	0	4.1	0	0	0	0	6	0	251.2	0	433.3	0	0	1624
	Total	0	767.1	0	1285	73.7	0	130	0	0	0	0	6	0	486.9	0	547.3	0	0.9	3296.7
Baraiyadhalal	Baraiyadhalal	0	3.2	0	0	0	0	0	0	0	0	103.9	32.4	0	65.1	0	452	0	0	656.6
	Chandranath N	0	8.2	0	62.7	0	0	0	0	0	0	3.5	28.4	0	102.9	0	453.2	0	0	658.9
	Fatikchari	0	20.6	0	38.1	0	0	0	0	155.7	0	98.7	0.7	0	53.3	0	71.6	0	0	438.7
	Harwalchari	0	0	0.5	0	0	0	0	0	509.6	0	393.8	0	0	0.4	0	2.5	0	0	906.8
	Hazarikhil	0	15.6	0	7.1	0	0	0	0	0	0	671.8	0	0	216.7	0	0	0	0	911.2
	Kunderhat	0	44.5	0.3	201.2	0	0	0	0	290.4	0	0	11	0	90.7	0	501.4	0	0	1139.5
	Rangapani	0	0	0	0	0	0	0	0	0	0	518.6	4.7	0	69.9	0	32.2	0	0	625.4
	Sitakunda	0	11.9	0	18.8	0	0	0	0	0	0.2	48.9	6.5	0	90	0	403.2	0	0	579.5
	Wahidpur	0	15.4	124.2	1.4	0	0	0	0	22.7	0	97.1	31.7	0	62.4	0	756.5	0	0	1111.4
	Total	0	119.4	125	329.3	0	0	0	0	978.4	0.2	1936	115.4	0	751.4	0	2672.6	0	0	7028
Chunati	Bara Hatia	0	45.3	0	80.7	5.8	0	0	0	0	0	0	0	0	34.5	0	649.8	0	0.8	816.9
	Baraitali	0	45.9	0	34.8	9.3	0	0	0	0	0	0	0	0	142.4	0	1.8	0	0.4	234.6
	Chhota Hatia	0	48.8	0	83.3	0	0	0	0	0	0	0	2	0	0	0	407.5	0	1.1	542.7
	Chunati	0	146	0	25.6	40.5	0	1.2	0	0	0	0	5	0	249.5	0	778.9	0	0	1246.7
	Goyalmara	0	194	0	101.7	6.2	0	0	0	0	0	0	0.9	0	269.8	0	684	0	0.4	1257
	Harbang	0	242.7	0	40.9	34.8	0	5.4	0	0	0	0	0	0	533	0	125.1	0	6.2	988.1
	Satgar	0	146.1	0	266.3	8	0	76.8	0	0	0	0	3.3	0	177.3	0	59.5	0	0	737.3
	Teliakata	0	74.7	0	265.8	6.3	0	0	0	0	0	12.9	0	0	52.2	0	54.7	0	0	466.6
	Total	0	943.5	0	899.1	110.9	0	83.4	0	0	0	12.9	11.2	0	1458.7	0	2761.3	0	8.9	6289.9
Dohazari	Baitarani	0	114.1	0	158.7	1.8	0	0	0	128.5	0	0	0	0	6.1	0	0	0	0.4	409.6
	Chiringhata	0	33.6	0	64	4.1	0	0	0	0	0	0.1	0	0	526.1	0	2.5	0	2	632.4
	Dhopachari	0	68.2	0	21.5	3	0	0	952.4	15.3	0	202.6	0	0	132.4	0	100.6	0	0.1	1496.1
	Lalutia	0	33.6	3.6	110	7.5	0	0	4.1	277.5	0	32	3.3	0	404.7	0	8.4	0	0	884.7
	Mangala	0	48.1	0	82.2	7.6	0	0	1138	0	0	35.9	1.2	0	61.9	0	93.8	0	0	1469
	Sangu	0	128.5	0	13.9	0	0	0	61.3	0	0	355.2	0.7	0	266.7	0	122.1	0	6	954.4

Range	Block	Accre	Agric., S	Bambo	Brush	Encroac	FRI Ar	Garjan	HF(larg	HF(mixe	Jhum	LF (sma	Open/Ero	Outsid	Plantatio	Sand	Scattered	Unide	Water,	Total
	Total	0	426.1	3.6	450.3	24	0	0	2156	421.3	0	625.8	5.2	0	1397.9	0	327.4	0	8.5	5846.2
Hasnabad	Hasnabad	0	356.1	168.9	33.9	138.1	0	0	0	0	0.7	0	0.4	0	284.3	0	360.5	0	0	1342.9
	Tarakhon	0	454.3	8.3	13.9	46.5	0	0	0	0	0	0	6.2	0	1268.5	0	17.2	0	0	1814.9
	Total	0	810.4	177.2	47.8	184.6	0	0	0	0	0.7	0	6.6	0	1552.8	0	377.7	0	0	3157.8
Hathazari	Baramasia	0	26.5	0	41.6	0	0	0	0	0	0	491.1	0.7	0	180	0	145.6	0	0	885.5
	Choto Kanchan	0	327.6	0	70.8	0	0	0	0	0	0	0	0	0	58.6	0	6.5	0	0	463.5
	Gamaritala	0	2431.8	0	168.4	5	0	0	0	0	0	0	0.6	0	137.3	0	0.3	0	16.7	2760.1
	Gopalghata	0	120.9	0	616.8	4.5	0	0	0	0	0.6	0	10.9	0	5.6	0	5.1	0	0	764.4
	Hathazari	0	13.8	960.9	94.3	0	0	0	0	0	0	0	44.4	0	0	0	22.6	0	0	1136
	Hazirkhil	0	263.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	263.5
	Khiram	0	182.6	0	224.2	0.3	0	0	0	0	0	94.2	3.6	0	152.7	0	294.9	0	6.6	959.1
	Lot Udalia	0	4.3	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	Magkata	0	98.3	0	153.6	6	0	0	0	0	1	58.6	11.4	0	154.4	0	104.5	0	7.4	595.2
	Monaichari	0	6.3	91.9	131.1	0	0	0	0	416.1	0	101.9	16.4	0	0	0	134.6	0	0	898.3
	Sobhanchari	0	54.8	2.2	10.8	0	0	0	0	0	0	779.9	1.9	0	179.2	0	286.7	0	0	1315.5
	Udalia	0	91.2	18.7	61.5	4.9	0	0	0	0	0	937.1	12.6	0	0	0	122.2	0	0.6	1248.8
	Total	0	3621.6	1074	1573	20.7	0	0	0	416.1	1.6	2463	102.5	0	867.8	0	1123	0	31.3	11294.9
Ichamati	Ghagra	0	111.3	0	277.4	29.4	29.3	1.5	0	0	0	0.9	0	0	0.2	0	67.3	0	0	517.3
	Nischintapur	0	46.3	0	221.3	0	0	0	0	0	0	0.3	1.2	0	98.3	0	16.2	0	0	383.6
	Thandachari	0	136.5	0	201.6	3.8	0	0	0	0	0	16.1	3.2	0	133	0	170.2	0	0	664.4
	Total	0	294.1	0	700.3	33.2	29.3	1.5	0	0	0	17.3	4.4	0	231.5	0	253.7	0	0	1565.3
Jaldi	Bailchari	0	54.9	0	0.4	0	0	0	0	0	0	0	6.5	0	0	0	401.7	0	0	463.5
	Chambal	0	73	0	97.9	47.1	0	9.7	0	0	0	0	3.9	0	248.4	0	605	0	0	1085
	Jaldi	0	71.4	0	56.4	42.9	0	0	0	0	0	0	0.5	0	0	0	941.9	0	0	1113.1
	Napura	0	154.5	0	193	78.5	0	0	0	0	0	4.3	16.1	0	279.3	0	869.6	0	0	1595.3
	Puichari	0	48.7	0.3	192.6	8.9	0	11.1	0	0	0	0	1.1	0	139.5	0	934	0	0	1336.2
	Total	0	402.5	0.3	540.3	177.4	0	20.8	0	0	0	4.3	28.1	0	667.2	0	3752.2	0	0	5593.1
Kalipur (P.F.)	Chechuria	0	159	0	1.2	0	0	0	0	0	0	0.1	0.6	0	27.3	0	168.7	0	0	356.9
	Kalipur	0	242.9	0	98.3	2.1	0	0	0	0	0	0	0.5	0	20.1	0	687.2	0	0	1051.1
	Pukuria	0	146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	146
	Sadhanpur	0	334.6	0	1.2	0	0	0	0	0	0	0	0	0	100.1	0	48.3	0	0	484.2

Range	Block	Accre	Agric., S	Bambo	Brush	Encroac	FRI Ar	Garjan	HF(larg	HF(mixe	Jhum	LF (sma	Open/Ero	Outsid	Plantatio	Sand	Scattered	Unide	Water,	Total
	Total	0	882.5	0	100.7	2.1	0	0	0	0	0	0.1	1.1	0	147.5	0	904.2	0	0	2038.2
Karerhat	Hiakhon	0	152.2	19.3	161.3	96	0	3.8	0	0	0	0	0.2	0	367.3	0	5.8	0	0.2	806.1
	Koila North	0	485.9	0	148	9.9	0	0	0	0	0	171.3	6.3	0	541.3	0	213.6	0	23.8	1600.1
	Lakhichari	0	276.9	43.5	494	0	0	0	0	411.1	0	0.2	0	0	416.7	0	148.6	0	0	1791
	Nalua West	0	437.3	0	3.9	0	0	0	0	0	0	0	0	0	190.5	0	1.5	0	12.4	645.6
	Nischinta	0	609.2	0	105.6	113.4	0	0	0	0	0	0	0.4	0	1064.5	0	4.7	0	4.3	1902.1
	Panua	0	664.7	0	32.8	38.8	0	0	4.4	0	0	167	3.4	0	332.2	0	20.2	0	0	1263.5
	Total	0	2626.2	62.8	945.6	258.1	0	3.8	4.4	411.1	0	338.5	10.3	0	2912.5	0	394.4	0	40.7	8008.4
Khurusia	Dudpukuria	0	63.5	0	0	9.3	0	0	717.4	0	0.2	38.6	0.1	0	0	0	5.8	0	0	834.9
	Khurusia	0	155	0	8.3	29.6	0	0	115.1	0	1.2	512.5	0	0	48.3	0	28.4	0	2.4	900.8
	Sivchari	0	210	0	37.9	3.2	0	0	146.7	0	0	497.4	1.8	0	0	0	28.4	0	0	925.4
	Sukbilash	0	143.5	0	150.3	67.4	0	13.7	0	0	1.4	81.1	0.6	0	74.2	0	47.6	0	2.3	582.1
	Total	0	572	0	196.5	109.5	0	13.7	979.2	0	2.8	1130	2.5	0	122.5	0	110.2	0	4.7	3243.2
Kumira	Barabkunda No	0	0.2	0	309.7	0	0	0	0	70.1	0	0	6.1	0	0	0	4.9	0	0	391
	Barabkunda So	0	0	207.3	90.8	0	0	0	0	11.3	0	12.1	30.8	0	2	0	1.4	0	0	355.7
	Chandranath S	0	0.6	0	45.4	0	0	0	0	0	0	0	2.9	0	0	0	62.4	0	0	111.3
	Kumira	0	4.8	232.8	9.6	0	0	0	0	0	0	0	44.7	0	12.5	0	233.9	0	0	538.3
	Shitalapur (P.F	0	1254	250.2	0	0	0	0	0	0	0	0	5.7	0	0	0	139.7	0	0	1649.6
	Total	0	1259.6	690.3	455.5	0	0	0	0	81.4	0	12.1	90.2	0	14.5	0	442.3	0	0	3045.9
Madarsha (P.F	Baramadarsha	0	84.1	0	12.7	0	0	0	0	0	0	0	0.3	0	29.7	0	97.6	0	3.1	227.5
	Churamoni	0	299.3	0	7.6	0	0	5.6	0	0	0	4.9	0	0	20.8	0	278.5	0	0	616.7
	Madarsha	0	195.3	0	0	0	0	0	0	0	0	0	0	0	6	0	112.5	0	0	313.8
	Total	0	578.7	0	20.3	0	0	5.6	0	0	0	4.9	0.3	0	56.5	0	488.6	0	3.1	1158
Mirsarai	Gobania	0	64.8	0	41.6	0	0	0	0	99.5	0	0	9.9	0	126.7	0	791.9	0	0	1134.4
	Hinguli	0	76.4	159.9	242.1	0	0	0	0	46.5	0	0	0	0	225	0	626.2	0	0	1376.1
	Koila South	0	376.2	11.5	186.9	89.7	0	0	0	533.3	0.4	0	0.8	0	248	0	618.5	0	0.8	2066.1
	Raghunathpur	0	52.9	0	21.8	0	0	0	0	0	0	0	7.3	0	59.3	0	1430.8	0	0	1572.1
	Zorarganj	0	111.9	2.2	76.4	0	0	0	0	104.6	0	0	0	0	200.8	0	1009.1	0	0	1505
	Total	0	682.2	173.6	568.8	89.7	0	0	0	783.9	0.4	0	18	0	859.8	0	4476.5	0	0.8	7653.7
Narayanhat	Badurkhil	0	199.7	0	506.3	0.4	0	1.5	0	265.5	0	0	42.4	0	182.5	0	3.7	0	0.3	1202.3
	Chandpur	0	229.9	0	287.1	65.3	0	0	0	28.7	3.5	1.1	9.5	0	270.7	0	387.1	0	0	1282.9

Range	Block	Accre	Agric., S	Bambo	Brush	Encroac	FRI Ar	Garjan	HF(larg	HF(mixe	Jhum	LF (sma	Open/Ero	Outsid	Plantatio	Sand	Scattered	Unide	Water,	Total
	Dantmara	0	520	0	118.1	55.6	0	0	0	0	0	40.6	0	0	239.6	0	34.5	0	0	1008.4
	E. Kaiyapukhia	0	279	0	266.1	32.5	0	0	0	0	0.5	8.2	1.6	0	1	0	203.7	0	0	792.6
	E. Kanchannag	0	44.8	0	0	0	0	0	0	0	0	30.1	0	0	47	0	36.6	0	2	160.5
	Idilpur	0	219.8	0	433.7	44.5	0	0	0	676.8	5.1	0	0.8	0	91.5	0	183.3	0	0.9	1656.4
	Kaiyapukhia	0	119.9	0	168.1	101.7	0	0	0	0	0.2	0	11.9	0	165.5	0	21.3	0	0	588.6
	Nalua East	0	773.2	0	41.2	77.1	0	0	0	0	0	22.8	0	0	6.9	0	87.2	0	0	1008.4
	W. Kanchanna	0	174.5	0	154.5	9	0	0	0	0	0.3	90.4	0	0	96.5	0	91.5	0	2.2	618.9
	Total	0	2560.8	0	1975	386.1	0	1.5	0	971	9.6	193.2	66.2	0	1101.2	0	1048.9	0	5.4	8319
Olinagar	Feni	0	556.2	0	231.7	0	0	0	0	0	0	260.5	0	0	154.8	0	192.4	0	61.8	1457.4
	Total	0	556.2	0	231.7	0	0	0	0	0	0	260.5	0	0	154.8	0	192.4	0	61.8	1457.4
Padua	Charamba	0	21	0	28.2	8.4	0	0	224.8	0	0	109.4	0	0	9.7	0	54.9	0	0	456.4
	Farenga	0	241.3	0	1.4	24.4	0	0	0	0	0	643.8	0.2	0	0	0.1	169.5	0	8.3	1089
	Mahalia	0	116.7	0	129.5	15	4.9	0	0	0	0	0	0	0	265.3	0	173	0	6.6	711
	Narischa	0	75.1	0	130.6	60.6	0	0	0	0	0	0	0.5	0	102.1	0	187.4	0	0.5	556.8
	Puranagar	0	59.5	0	24.6	1.8	0	0	0	0	0	0	0	0	19.3	0	164.1	0	0.1	269.4
	Sarasia	0	69.8	0	27.6	6.3	0	0	0	0	0	0	0	0	229.9	0	241.6	0	0	575.2
	Tankabati	0	76.1	0	0.3	7.8	0	0	377.9	0	0	52	0	0	136.1	0	72.1	0	8.4	730.7
	Total	0	659.5	0	342.2	124.3	4.9	0	602.7	0	0	805.2	0.7	0	762.4	0.1	1062.6	0	23.9	4388.5
Patiya	Bhandarjuri	0	0	0	17.1	0	0	0	0	0	0	160.9	0	0	0	0	13.6	0	0	191.6
	Dumuria	0	16.4	0	344.3	0	0	0	0	0	0	156.4	1.2	0	1.9	0	341.8	0	0	862
	Elahabad (P.F.	0	111.6	0	91.3	4.9	0	0	35.6	78.6	0	272.6	1.8	0	0	0	337.9	0	0.7	935
	Hashempur	0	75.2	0	406.3	11.4	0	0	0	55.3	0	5.3	0	0	207.6	0	137.9	0	0	899
	Silchari	0	15	17.9	112.5	0	0	0	815	0	0	483.1	0	0	10.3	0	352.4	0	0	1806.2
	Sonaichari	0	6.9	0	114.8	0	0	0	88.9	0	0	250	2.2	0	0	0	483.3	0	0	946.1
	Srimai	0	8.8	89.4	62.4	0	0	0	16.2	0	0	404.7	3.5	0	0	0	591.8	0	0	1176.8
	Total	0	233.9	107.3	1149	16.3	0	0	955.7	133.9	0	1733	8.7	0	219.8	0	2258.7	0	0.7	6816.7
Rangunia	Chiringa	0	58.4	0	163.4	0	0	0	0	0	0	2.9	0	0	120.8	0	131.9	0	0	477.4
	Kodala	0	71.8	0	129.3	1.7	0	0	0	0	0	16.2	0	0	0	0	70.1	0	0	289.1
	Narischa (P.F.)	0	98.5	0	219.3	1.3	0	0	0	0	0	4.2	0	0	59.3	0	52.7	0	0	435.3
	Pomara (P.F.)	0	482.4	0	225.7	1.9	0	0	0	0	0	23	0	0	66.3	0	100	0	0.8	900.1
	Sarapbhata	0	9.5	0	9.5	0	0	0	0	0	0	0	0	0	20	0	0	0	2.2	41.2

Range	Block	Accre	Agric., S	Bambo	Brush	Encroac	FRI Ar	Garjan	HF(larg	HF(mixe	Jhum	LF (sma	Open/Ero	Outsid	Plantatio	Sand	Scattered	Unide	Water,	Total
	Tripura Sundari	0	93.5	0	178.9	1.3	0	0	0	0	0	463	1.4	0	64.8	0	253.1	0	0	1056
	Total	0	814.1	0	926.1	6.2	0	0	0	0	0	509.3	1.4	0	331.2	0	607.8	0	3	3199.1
n/a		729	189565	884.1	8433	816.3	80.5	73.3	137.9	184.6	12	2626	308.2	7945	5574.5	227	10355.5	10.3	4021	231983
Total		729	208376	3299	21169	2433	115	333.6	4836	4382	27.3	12672	787	7945	19671.4	227	34157.3	10.3	4215	325383

Table 2. Areas of Forest Plantations by Range, Species Group and Stratum (Chittagong)

Species	Yr.Plante	Barabakia	Baraiyadh	Chunati	Dohazari	Hasnabad	Hathazari	Ichamati	Jaldi	Kalipur	Karerhat	Khurusia	Kumira	Madarsha	Mirsarai	Narayanha	Olinagar	Padua	Patiya	Ranguni	n/a (no for	Total
Acacia / C	94	0	0	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.4	35.9
	Total	0	0	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.4	35.9
Acacia / K	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.8	0	0	9.8	38.6
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21.5	0	0	10.2	31.7
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0.8
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50.3	0	0	20.8	71.1
Acacia Aur	80-84	0	7	0	0	0	0	0	0	0	0	0	0	0	29.5	4.6	0	0	43.5	0	2.3	86.9
	85-89	0	9.8	0	0	0	0	0	31.8	0	1.8	0	2.2	0	6.7	4.4	0	0	0	0	6.9	63.6
	90-91	7.3	32.3	52.5	3.3	66.8	0.4	0	15.2	0	0	0	7.1	0	0.6	139.8	0	47.1	0	0.1	52.8	425.3
	92-93	0	0	15.7	0	52.9	58.2	0	10.5	0	0	18.3	0	0	48.7	45.6	0	64.5	2.3	2.9	39.5	359.1
	94	0	6.1	50.4	0	85.5	0	0	0	0	0	11.9	0	0	15.7	47.7	0	0	0	0.2	39.8	257.3
	Total	7.3	55.2	118.6	3.3	205.2	58.6	0	57.5	0	1.8	30.2	9.3	0	101.2	242.1	0	112	45.8	3.2	141.3	1192.2
Acacia ma	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.1	4.1
	80-84	0	7.6	0	0	0	0	0	0	0	0.6	0	0	0	40.5	0	0	0	0	0	0.5	49.2
	85-89	0	1.4	7.8	0	0	0	0	11.3	0	16.6	0	0	0	6.8	0	0	2.9	0	9.1	1.5	57.4
	90-91	0	1.6	8.7	2.8	4.9	27.9	0	8	0	0	0	0	0	0	85.1	0	24.3	0	10.3	14.4	188
	92-93	0	0	0.7	0	10.9	0	0	0	0	0	0	0	0	0	0.6	0	1.9	0	0	2.4	16.5
	n.a.	0	0	0	0	0	52.5	0	0	0	0	0	0	0	0	0	0	0	0	0	20.6	73.1
	Total	0	10.6	17.2	2.8	15.8	80.4	0	19.3	0	17.2	0	0	0	47.3	85.7	0	29.1	0	19.4	43.5	388.3
Acacia/ Eu	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1	2.1
	85-89	0	4.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9
	90-91	0	0	20.2	0	0	0	0	0	0	0	18.5	0	0	0	4.7	0	0	0	0	3.4	46.8
	92-93	39.8	0	2.4	0	0	0	0	0	0	0	0	0	0	23.6	0	0	0	0	0	0	65.8
	94	0	73.5	0	0	0	0	0	25.4	0	0	23.5	0	0	38.4	0	0	0	0	34.2	47.7	242.7
	Total	39.8	78.4	22.6	0	0	0	0	25.4	0	0	42	0	0	62	4.7	0	0	0	34.2	53.2	362.3
All species	50-59	0	0	0	0	0	0	16.6	0	0	3.2	0	0	0	0	0	0	0	0	0	5.5	25.3
(LRS)	60-64	0	0	0	0	0	0	6.4	0	0	8.2	0	0	0	0	0	0	0	0	0	1.8	16.4
	65-69	0	0	0	0	0	0	0	0	8.9	4.6	0	0	0	0	0	0	0	0	0	2.8	16.3
	70-74	8.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	10
	75-79	17.2	0	0	0	0	0	0	0	42.5	0	0	0	0	0	0	0	0	0	0	13.5	73.2
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39.4	39.4
	Total	25.3	0	0	0	0	0	23	0	51.4	16	0	0	0	0	0	0	0	0	0	64.9	180.6
Dhakijam	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.4

Species	Yr.Plante	Barabakia	Baraiyadh	Chunati	Dohazari	Hasnabad	Hathazari	Ichamati	Jaldi	Kalipur	Karerhat	Khurusia	Kumira	Madarsha	Mirsarai	Narayanha	Olinagar	Padua	Patiya	Ranguni	n/a (no for	Total
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.9	0	0	0	0	0	17.9
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.9	3.9
	80-84	0	0	0	0	0	0	0	18.3	0	5.9	0	0	0	3.1	31.2	0	0	0	0	126.5	185
	85-89	0	0	0	0	0	0	0	0	0	40.5	0	0	0	0	0	0	0	0	0	9.9	50.4
	Total	0	0	0	0	0	0	0	18.3	0	46.4	0	0	0	3.1	49.1	0	0	0	0	140.7	257.6
Dhakijam/	75-79	0	0	0	0	0	0	0	0	0	3.6	0	0	0	0	0	0	0	0	0	0	3.6
	Total	0	0	0	0	0	0	0	0	0	3.6	0	0	0	0	0	0	0	0	0	0	3.6
Dhakijam/	80-84	0	0	0	0	0	0	0	0	0	48.1	0	0	0	0	0	0	0	0	0	0	48.1
	85-89	0	0	0	0	0	0	0	0	0	32.7	0	0	0	0	0	0	0	0	0	0	32.7
	Total	0	0	0	0	0	0	0	0	0	80.8	0	0	0	0	0	0	0	0	0	0	80.8
Eucalyptus	40-49	0	25.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.2
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.1	0	11.1
	80-84	0	40.5	0	0	0	0	0	0	0	6.2	0	0	0	0	0	0	0	0	0	8.3	55
	85-89	0	141.3	39.2	0	0	0	0	34.6	0	12.6	0	0	0	0	0	0	16.2	0	5.7	53.1	302.7
	90-91	7.4	20	67	0	37.2	5.6	0	48.6	0	17.7	0	3.2	0	0	100.1	0	83.9	0	2.4	92.1	485.2
	92-93	15.4	2	0	0	29.6	0	0	11.7	0	0	0.5	0	0	0	0	0	9.9	0	5.7	13.3	88.1
	94	0	3.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.7	0	0	20.5	28.4
	n.a.	0	0	0	0	0	64.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64.3
	Total	22.8	232.2	106.2	0	66.8	69.9	0	94.9	0	36.5	0.5	3.2	0	0	100.1	0	115	0	24.9	187.3	1060
Eucalyptus	90-91	0	0	1.8	0	0	0	0	0	0	0	0	0	0	0	3.1	0	0	0	0	0	4.9
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6	0	0	1	3.6
	Total	0	0	1.8	0	0	0	0	0	0	0	0	0	0	0	3.1	0	2.6	0	0	1	8.5
Gamar	50-59	0	0	0	0	0	0	0	0	0	2.5	0	0	0	0	0	0	0	0	0	0	2.5
	60-64	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	9
	65-69	0	0	0	0	0	0	0	0	0	3.7	0	0	0	0	0	0	0	0	0	1.4	5.1
	80-84	0	15.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	16
	Total	0	15.6	0	0	0	0	0	0	0	15.2	0	0	0	0	0	0	0	0	0	1.8	32.6
Garjan	20-29	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	30-39	0	50.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	52.1
	40-49	0	41.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	41.9
	50-59	0	29.2	0	0	5.6	0	0	0	0	0	1.2	0	0	0	0	0	0	0	0	1	37
	65-69	0	0	63.3	0	0	0	0	0	0	24.8	0	0	0	0	0	0	0	0	0	8.2	96.3
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	6.8	7
	75-79	0	0	15.7	0	0	22	0	0	0	6.4	0	0	0	22.9	2.8	0	0	0	2.2	71.4	143.4
	80-84	0	0.9	16	14.1	0	78.2	0.7	149	0	126.8	0	0	0	2.6	182	0	0	0	0	120.1	690.3

Species	Yr.Plante	Barabakia	Baraiyadh	Chunati	Dohazari	Hasnabad	Hathazari	Ichamati	Jaldi	Kalipur	Karerhat	Khurusia	Kumira	Madarsha	Mirsarai	Narayanha	Olinagar	Padua	Patiya	Ranguni	n/a (no for	Total
	85-89	0	0	78.8	0	5.9	0	8	24.7	0	328.8	0	0	0	4.8	52	0	0	0	25.3	103.6	631.9
	90-91	0	0	7.3	0	0	0	0.4	0	0	0	0	0	0	0	8.8	0	0	0	0	0	16.5
	92-93	0	20.4	2.2	0	3.1	0	0.2	0	0	0	0	0	0	30.2	27.1	0	0	0	1.4	21.3	105.9
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	0	5.2	6.1
	Total	0	144.8	183.3	14.1	14.6	100.2	9.3	174	0	486.8	1.2	0	0	60.5	272.9	0	0	0.9	28.9	340.3	1831.4
Koroi	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.8	0	0	3.9	30.7
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0.3	2.3
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.8	0	0	4.2	33
Mahogany	85-89	0	0	0	0	0	0	9.2	0	0	0	0	0	0	0	0	0	0	0	0	5.8	15
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.3	0	0	2.3
	Total	0	0	0	0	0	0	9.2	0	0	0	0	0	0	0	0	0	0	2.3	0	5.8	17.3
Mehogony	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0.2
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2	0	0	0	0	0	0	6.2
Minjiri	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	0	0	0	0	0	0.9
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	0	0	0	0	0	0.9
Rubber pla	n.a.	0	0	1.4	0	1203.6	0	0	0	0	1122	0	2	0	13.9	6.9	0	0	0	0	433.3	2782.8
	Total	0	0	1.4	0	1203.6	0	0	0	0	1122	0	2	0	13.9	6.9	0	0	0	0	433.3	2782.8
Tea garde	n.a.	0	0	0	0	0	123.4	0	0	0	0	25.2	0	0	0	47	0	0	0	0	2549.7	2745.3
	Total	0	0	0	0	0	123.4	0	0	0	0	25.2	0	0	0	47	0	0	0	0	2549.7	2745.3
Teak coppi	n.a.	0	0	0	784.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	11.3	796.1
	Total	0	0	0	784.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	11.3	796.1
Teak, < 50	30-39	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	40-49	0	5.2	0	50.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	55.9
	50-59	0	0	0	0	0	0	2.4	0	0	8.3	0	0	0	3.4	12	0	50.8	2.7	0	6.1	85.7
	60-64	21.3	0	8.3	0	0	0	0	0	0	41.8	0	0	0	0	0	0.9	0	1.3	0	7.1	80.7
	65-69	36	0	34.1	1.6	0	0	0	0	0	93.2	0	0	0	1.2	1	3.8	0	0.8	0	53.5	225.2
	70-74	0	0	0	3.5	0	0	0	0	0	0	0	0	1.6	0	20.6	0	0	0	0	36.9	62.6
	75-79	0	0	9.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44.5	54.2
	80-84	0	0	96.8	0	0	0	0	28.4	0	2	0	0	0	18.1	0	0	0	0	0	25.7	171
	85-89	0	0	211.5	0	0	0	0	46	0	26.3	0	0	0	0	0	0	0	0	0	73.9	357.7
	90-91	0	0	8.5	25.4	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	33.1	70
	92-93	2.2	0	125.5	39.9	8.3	0	0	95.7	0	0	8.7	0	0	0	76.6	0	30	0	0	147.4	534.3
	94	0	0	25.5	3.8	0	0	0	89.8	0	0	4.7	0	0	0	0	0	52	0	14.9	30	220.7
	Total	59.5	16.2	519.9	124.4	8.3	0	2.4	260	0	171.6	13.4	0	1.6	22.7	113.2	4.7	133	4.8	14.9	458.7	1929

Species	Yr.Plante	Barabakia	Baraiyadh	Chunati	Dohazari	Hasnabad	Hathazari	Ichamati	Jaldi	Kalipur	Karerhat	Khurusia	Kumira	Madarsha	Mirsarai	Narayanha	Olinagar	Padua	Patiya	Ranguni	n/a (no for	Total
Teak, >50-	30-39	0	6.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.3
	40-49	0	45.9	0	0	0	0	0	0	0	5.4	0	0	0	0	0	0	0	0	0	0.1	51.4
	50-59	5.4	2.3	55.4	19.5	0	0.6	28	0	0	169	0	0	0	0	18.5	10.8	55.2	7.1	0	30.4	402.2
	60-64	6.7	0	69.8	0	0	0	10.7	0	0	86.2	0	0	0	0	10.8	17.2	0	0.1	0	33.1	234.6
	65-69	0	0	5.6	174	0	0	6.1	0	0	123.4	0	0	0	12.6	46.9	57.5	16.4	0.2	0	84.7	527.4
	70-74	0	0	6.9	12.7	0	0	0	0	0	0	0	0	0	0	0	0	13.5	17.8	0	15.8	66.7
	75-79	0	0	72.5	3.6	0	0	0	0	0	0.7	0	0	0	0	0	0	0	0	1.3	32.5	110.6
	80-84	0	2.2	2.7	2	0	0	0	8.7	0	0	0	0	0	0	3.5	0	0	30.7	0	18.1	67.9
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.8	0	0	29.2	33
	92-93	0	0	25.5	0	0	0	0	0	0	0	0	0	0	0	0	0	69.9	3.3	0	39.9	138.6
	94	0	76.7	43.1	11.6	0	0	0	0	0	0	0	0	0	0	0	0	32.9	0	0	34	198.3
	n.a.	0	0	3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	3.9
	Total	12.1	133.4	285.3	223.4	0	0.6	44.8	8.7	0	384.7	0	0	0	12.6	79.7	85.5	192	59.2	1.3	317.9	1840.9
Teak, >80	40-49	1	15.5	0	0	0	20.3	28.7	0	0	0	0	0	0	0	0	0	0	0	0	3.6	69.1
	50-59	0	0	3.6	121.9	9.4	12	90.6	0	0	88.2	2.5	0	0	139.7	0	0	12.2	0	100.3	75.4	655.8
	60-64	0	0	13.4	0	29.1	0	10.7	0	0	15.2	6.4	0	0	144.9	0	0	3.7	0.7	0	7.8	231.9
	65-69	0	0	63.3	76.4	0	14.8	0	0	0	31.5	0	0	0	63.9	0	0	0	0	0	32.9	282.8
	70-74	0	3.5	30	18.7	0	5.4	0	0	0	0	0	0	0	55.9	2.4	0	2	0	0	31.9	149.8
	75-79	0	2.8	81.5	3.2	0	0	0	0	0	0	0	0	0	104.7	18.8	0	0	6	23.8	126.9	367.7
	80-84	0	0.3	0	0	0	0	0	9.6	0	1.5	0	0	0	18.7	9.9	0	0	46.5	33.5	4.9	124.9
	85-89	0	9.9	0	0	0	0	0	0	0	7.2	0	0	0	0	1.6	0	6.9	0	0	15.6	41.2
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.7	0	5	0	0	0	15.7
	92-93	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	36.5	0	0	3.2	40
	94	0	0	4.1	0	0	0	0	0	0	0	0	0	0	0	0	0	17	1	0	2.2	24.3
	Total	1	32	195.9	220.5	38.5	52.5	130	9.6	0	143.6	8.9	0	0	527.8	43.4	0	83.3	54.2	157.6	304.4	2003.2
Teak/Dhak	80-84	0	0	0	0	0	112.3	0	0	0	0	0	0	0	0	0	0	0	0	0	6	118.3
	Total	0	0	0	0	0	112.3	0	0	0	0	0	0	0	0	0	0	0	0	0	6	118.3
Teak/Garj	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.4	0	0	0	0	2.6	7
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.4	0	0	0	0	2.6	7
Teak/Garj	80-84	0	0	0	0	0	67.7	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1	69.8
	Total	0	0	0	0	0	67.7	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1	69.8
Unidentifie	70-74	0	0	0	17.5	0	15.2	0	0	0	38.8	0	0	0	0	0	0	0	0	0	130.8	202.3
(LRS)	75-79	82.7	0	0	7.6	0	143.4	0	0	0	176	0	0	0	0	0	0	0	0	0	103.5	513.2
	80-84	236.4	0	0	0	0	20	10.8	0	29.1	171.8	0	0	0	2.5	15.7	64.6	0	23.5	0	70.9	645.3
	90-91	0	30.6	0	0	0	3.1	0	0	0	0	0	0	0	0	0	0	0	0	0	6.3	40

Species	Yr.Plante	Barabakia	Baraiyadh	Chunati	Dohazari	Hasnabad	Hathazari	Ichamati	Jaldi	Kalipur	Karerhat	Khurusia	Kumira	Madarsha	Mirsarai	Narayanha	Olinagar	Padua	Patiya	Ranguni	n/a (no for	Total
	92-93	0	0	0	0	0	20.5	0	0	14.8	0	0	0	28.1	0	12.2	0	0	8.9	0	32.4	116.9
	94	0	2.4	0	0	0	0	2	0	52.2	0	1.1	0	26.8	0	20.1	0	17.5	19.7	46.8	110.4	299
	Total	319.1	33	0	25.1	0	202.2	12.8	0	96.1	386.6	1.1	0	54.9	2.5	48	64.6	17.5	52.1	46.8	454.3	1816.7
n.a.		2809.8	6276.6	4831	4448.3	1605	10427	1334	4926	1891	5096	3121	3031	1101.5	6794	7217.8	1303	3626	6597	2867.9	226409	305712
Total		3296.7	7028	6290	5846.2	3157.8	11295	1565	5593	2038	8008	3243	3046	1158	7654	8319	1457	4389	6817	3199.1	231983	325383

Table 2a. Stratum Areas by Range (Chittagong)

Species	Yr.Planted	Barabakia	Baraiyadh	Chunati	Dohazari	Hasnabad	Hathazari	Ichamati	Jaldi	Kalipur	Karerhat	Khurusia	Kumira	Madarsha	Mirsarai	Narayanh	Olinagar	Padua	Patiya	Ranguni	n/a (no for	Total
Teak, < 50%	30-39	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	40-49	0	5.2	0	50.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	55.9
	50-59	0	0	0	0	0	0	2.4	0	0	8.3	0	0	0	3.4	12	0	50.8	2.7	0	6.1	85.7
Teak, >50-8	30-39	0	6.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.3
	40-49	0	45.9	0	0	0	0	0	0	0	5.4	0	0	0	0	0	0	0	0	0	0.1	51.4
	50-59	5.4	2.3	55.4	19.5	0	0.6	28	0	0	169	0	0	0	0	18.5	10.8	55.2	7.1	0	30.4	402.2
	60-64	6.7	0	69.8	0	0	0	10.7	0	0	86.2	0	0	0	0	10.8	17.2	0	0.1	0	33.1	234.6
Teak, >80%	40-49	1	15.5	0	0	0	20.3	28.7	0	0	0	0	0	0	0	0	0	0	0	0	3.6	69.1
	50-59	0	0	3.6	121.9	9.4	12	90.6	0	0	88.2	2.5	0	0	139.7	0	0	12.2	0	100.3	75.4	655.8
Teak/Garjan	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.4	0	0	0	0	2.6	7
Stratum 5		**13.1**	**86.2**	**128.8**	**191.6**	**9.4**	**32.9**	**160.4**	**0**	**0**	**357.1**	**2.5**	**0**	**0**	**143.1**	**45.7**	**28.0**	**118.2**	**9.9**	**100.3**	**151.8**	**1579.0**
Teak<50%c	60-64	21.3	0	8.3	0	0	0	0	0	0	41.8	0	0	0	0	0	0.9	0	1.3	0	7.1	80.7
	65-69	36	0	34.1	1.6	0	0	0	0	0	93.2	0	0	0	1.2	1	3.8	0	0.8	0	53.5	225.2
	70-74	0	0	0	3.5	0	0	0	0	0	0	0	0	1.6	0	20.6	0	0	0	0	36.9	62.6
	75-79	0	0	9.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44.5	54.2
50-75%cc	60-64	6.7	0	69.8	0	0	0	10.7	0	0	86.2	0	0	0	0	10.8	17.2	0	0.1	0	33.1	234.6
	65-69	0	0	5.6	174	0	0	6.1	0	0	123.4	0	0	0	12.6	46.9	57.5	16.4	0.2	0	84.7	527.4
	70-74	0	0	6.9	12.7	0	0	0	0	0	0	0	0	0	0	0	0	13.5	17.8	0	15.8	66.7
	75-79	0	0	72.5	3.6	0	0	0	0	0	0.7	0	0	0	0	0	0	0	0	1.3	32.5	110.6
Teak>75%c	60-64	0	0	13.4	0	29.1	0	10.7	0	0	15.2	6.4	0	0	144.9	0	0	3.7	0.7	0	7.8	231.9
	65-69	0	0	63.3	76.4	0	14.8	0	0	0	31.5	0	0	0	63.9	0	0	0	0	0	32.9	282.8
	70-74	0	3.5	30	18.7	0	5.4	0	0	0	0	0	0	0	55.9	2.4	0	2	0	0	31.9	149.8
	75-79	0	2.8	81.5	3.2	0	0	0	0	0	0	0	0	0	104.7	18.8	0	0	6	23.8	126.9	367.7
Strata 61, 62 &63		**64.0**	**6.3**	**395.1**	**293.7**	**29.1**	**20.2**	**27.5**	**0.0**	**0.0**	**392.0**	**6.4**	**0.0**	**1.6**	**383.2**	**100.5**	**79.4**	**35.6**	**26.9**	**25.1**	**507.6**	**2394.2**
Teak coppic	n.a.	0	0	0	784.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	11.3	796.1
Teak<50%c	80-84	0	0	96.8	0	0	0	0	28.4	0	2	0	0	0	18.1	0	0	0	0	0	25.7	171
	85-89	0	0	211.5	0	0	0	0	46	0	26.3	0	0	0	0	0	0	0	0	0	73.9	357.7
	90-91	0	0	8.5	25.4	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	33.1	70
	92-93	2.2	0	125.5	39.9	8.3	0	0	95.7	0	0	8.7	0	0	0	76.6	0	30	0	0	147.4	534.3
	94	0	0	25.5	3.8	0	0	0	89.8	0	0	4.7	0	0	0	0	0	52	0	14.9	30	220.7
Teak50-75%	80-84	0	2.2	2.7	2	0	0	0	8.7	0	0	0	0	0	0	3.5	0	0	30.7	0	18.1	67.9
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.8	0	0	29.2	33

Species	Yr.Planted	Barabakia	Baraiyadh	Chunati	Dohazari	Hasnabad	Hathazari	Ichamati	Jaldi	Kalipur	Karerhat	Khurusia	Kumira	Madarsha	Mirsarai	Narayanh	Olinagar	Padua	Patiya	Ranguni	n/a (no for	Total
	92-93	0	0	25.5	0	0	0	0	0	0	0	0	0	0	0	0	0	69.9	3.3	0	39.9	138.6
	94	0	76.7	43.1	11.6	0	0	0	0	0	0	0	0	0	0	0	0	32.9	0	0	34	198.3
	n.a.	0	0	3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	3.9
Teak>75%c	80-84	0	0.3	0	0	0	0	0	9.6	0	1.5	0	0	0	18.7	9.9	0	0	46.5	33.5	4.9	124.9
	85-89	0	9.9	0	0	0	0	0	0	0	7.2	0	0	0	0	1.6	0	6.9	0	0	15.6	41.2
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.7	0	5	0	0	0	15.7
	92-93	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	36.5	0	0	3.2	40
	94	0	0	4.1	0	0	0	0	0	0	0	0	0	0	0	0	0	17	1	0	2.2	24.3
Teak/Dhakij	80-84	0	0	0	0	0	112.3	0	0	0	0	0	0	0	0	0	0	0	0	0	6	118.3
Teak/Garjan	80-84	0	0	0	0	0	67.7	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1	69.8
Strata 71, 72 & 80		**2.2**	**89.1**	**547.0**	**867.3**	**8.3**	**180.0**	**0.0**	**278.2**	**0.0**	**37.0**	**13.4**	**0.0**	**0.0**	**36.8**	**105.3**	**0.0**	**254.0**	**82.0**	**48.4**	**476.7**	**3025.7**
All species	50-59	0	0	0	0	0	0	16.6	0	0	3.2	0	0	0	0	0	0	0	0	0	5.5	25.3
(LRS)	60-64	0	0	0	0	0	0	6.4	0	0	8.2	0	0	0	0	0	0	0	0	0	1.8	16.4
	65-69	0	0	0	0	0	0	0	0	8.9	4.6	0	0	0	0	0	0	0	0	0	2.8	16.3
	70-74	8.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	10
	75-79	17.2	0	0	0	0	0	0	0	42.5	0	0	0	0	0	0	0	0	0	0	13.5	73.2
Dhakijam	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.4
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.9	0	0	0	0	0	17.9
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.9	3.9
Dhakijam/C	75-79	0	0	0	0	0	0	0	0	0	3.6	0	0	0	0	0	0	0	0	0	0	3.6
Garjan	20-29	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	30-39	0	50.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	52.1
	40-49	0	41.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	41.9
	50-59	0	29.2	0	0	5.6	0	0	0	0	0	1.2	0	0	0	0	0	0	0	0	1	37
	65-69	0	0	63.3	0	0	0	0	0	0	24.8	0	0	0	0	0	0	0	0	0	8.2	96.3
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	6.8	7
	75-79	0	0	15.7	0	0	22	0	0	0	6.4	0	0	0	22.9	2.8	0	0	0	2.2	71.4	143.4
Unidentified	70-74	0	0	0	17.5	0	15.2	0	0	0	38.8	0	0	0	0	0	0	0	0	0	130.8	202.3
(LRS)	75-79	82.7	0	0	7.6	0	143.4	0	0	0	176	0	0	0	0	0	0	0	0	0	103.5	513.2
Strata 91, 92 &93		**108.0**	**123.5**	**79.0**	**25.1**	**5.6**	**180.6**	**23.0**	**0.0**	**51.4**	**265.6**	**1.2**	**0.0**	**0.0**	**22.9**	**20.9**	**0.0**	**0.0**	**0.0**	**2.2**	**354.2**	**1263.2**
LRS	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39.4	39.4
	80-84	0	0	0	0	0	0	0	18.3	0	5.9	0	0	0	3.1	31.2	0	0	0	0	126.5	185
	85-89	0	0	0	0	0	0	0	0	0	40.5	0	0	0	0	0	0	0	0	0	9.9	50.4
Dhakijam/Te	80-84	0	0	0	0	0	0	0	0	0	48.1	0	0	0	0	0	0	0	0	0	0	48.1
	85-89	0	0	0	0	0	0	0	0	0	32.7	0	0	0	0	0	0	0	0	0	0	32.7

Species	Yr.Planted	Barabakia	Baraiyadh	Chunati	Dohazari	Hasnabad	Hathazari	Ichamati	Jaldi	Kalipur	Karerhat	Khurusia	Kumira	Madarsha	Mirsarai	Narayanh	Olinagar	Padua	Patiya	Ranguni	n/a (no for	Total
Garjan	80-84	0	0.9	16	14.1	0	78.2	0.7	148.9	0	126.8	0	0	0	2.6	182	0	0	0	0	120.1	690.3
	85-89	0	0	78.8	0	5.9	0	8	24.7	0	328.8	0	0	0	4.8	52	0	0	0	25.3	103.6	631.9
	90-91	0	0	7.3	0	0	0	0.4	0	0	0	0	0	0	0	8.8	0	0	0	0	0	16.5
	92-93	0	20.4	2.2	0	3.1	0	0.2	0	0	0	0	0	0	30.2	27.1	0	0	0	1.4	21.3	105.9
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	0	5.2	6.1
Koroi	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.8	0	0	3.9	30.7
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0.3	2.3
Mahogany	85-89	0	0	0	0	0	0	9.2	0	0	0	0	0	0	0	0	0	0	0	0	5.8	15
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.3	0	0	2.3
Mahogany/A	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0.2
Unidentified	80-84	236.4	0	0	0	0	20	10.8	0	29.1	171.8	0	0	0	2.5	15.7	64.6	0	23.5	0	70.9	645.3
(LRS)	90-91	0	30.6	0	0	0	3.1	0	0	0	0	0	0	0	0	0	0	0	0	0	6.3	40
	92-93	0	0	0	0	0	20.5	0	0	14.8	0	0	0	28.1	0	12.2	0	0	8.9	0	32.4	116.9
	94	0	2.4	0	0	0	0	2	0	52.2	0	1.1	0	26.8	0	20.1	0	17.5	19.7	46.8	110.4	299
Strata 103 &104		**236.4**	**54.3**	**104.3**	**14.1**	**9.0**	**121.8**	**31.3**	**191.9**	**96.1**	**754.6**	**1.1**	**0.0**	**54.9**	**49.4**	**349.1**	**64.6**	**46.3**	**55.3**	**73.5**	**656.0**	**2964.0**
Acacia Auric	80-84	0	7	0	0	0	0	0	0	0	0	0	0	0	29.5	4.6	0	0	43.5	0	2.3	86.9
	85-89	0	9.8	0	0	0	0	0	31.8	0	1.8	0	2.2	0	6.7	4.4	0	0	0	0	6.9	63.6
Acacia man	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.1	4.1
	80-84	0	7.6	0	0	0	0	0	0	0	0.6	0	0	0	40.5	0	0	0	0	0	0.5	49.2
	85-89	0	1.4	7.8	0	0	0	0	11.3	0	16.6	0	0	0	6.8	0	0	2.9	0	9.1	1.5	57.4
Acacia/ Euc	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1	2.1
	85-89	0	4.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9
Eucalyptus	40-49	0	25.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.2
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.1	0	11.1
	80-84	0	40.5	0	0	0	0	0	0	0	6.2	0	0	0	0	0	0	0	0	0	8.3	55
	85-89	0	141.3	39.2	0	0	0	0	34.6	0	12.6	0	0	0	0	0	0	16.2	0	5.7	53.1	302.7
Gamar	50-59	0	0	0	0	0	0	0	0	0	2.5	0	0	0	0	0	0	0	0	0	0	2.5
	60-64	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	9
	65-69	0	0	0	0	0	0	0	0	0	3.7	0	0	0	0	0	0	0	0	0	1.4	5.1
	80-84	0	15.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	16
Stratum 120		**0.0**	**253.3**	**47.0**	**0.0**	**0.0**	**0.0**	**0.0**	**77.7**	**0.0**	**53.0**	**0.0**	**2.2**	**0.0**	**83.5**	**9.0**	**0.0**	**19.1**	**43.5**	**25.9**	**80.6**	**694.8**
Acacia / Chi	94	0	0	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.4	35.9
Acacia / Kor	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.8	0	0	9.8	38.6
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21.5	0	0	10.2	31.7

Species	Yr.Planted	Barabakia	Baraiyadh	Chunati	Dohazari	Hasnabad	Hathazari	Ichamati	Jaldi	Kalipur	Karerhat	Khurusia	Kumira	Madarsha	Mirsarai	Narayanh	Olinagar	Padua	Patiya	Ranguni	n/a (no for	Total
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0.8
	90-91	7.3	32.3	52.5	3.3	66.8	0.4	0	15.2	0	0	0	7.1	0	0.6	139.8	0	47.1	0	0.1	52.8	425.3
	92-93	0	0	15.7	0	52.9	58.2	0	10.5	0	0	18.3	0	0	48.7	45.6	0	64.5	2.3	2.9	39.5	359.1
	94	0	6.1	50.4	0	85.5	0	0	0	0	0	11.9	0	0	15.7	47.7	0	0	0	0.2	39.8	257.3
	90-91	0	1.6	8.7	2.8	4.9	27.9	0	8	0	0	0	0	0	0	85.1	0	24.3	0	10.3	14.4	188
	92-93	0	0	0.7	0	10.9	0	0	0	0	0	0	0	0	0	0.6	0	1.9	0	0	2.4	16.5
	n.a.	0	0	0	0	0	52.5	0	0	0	0	0	0	0	0	0	0	0	0	0	20.6	73.1
	90-91	0	0	20.2	0	0	0	0	0	0	0	18.5	0	0	0	4.7	0	0	0	0	3.4	46.8
	92-93	39.8	0	2.4	0	0	0	0	0	0	0	0	0	0	23.6	0	0	0	0	0	0	65.8
	94	0	73.5	0	0	0	0	0	25.4	0	0	23.5	0	0	38.4	0	0	0	0	34.2	47.7	242.7
	90-91	7.4	20	67	0	37.2	5.6	0	48.6	0	17.7	0	3.2	0	0	100.1	0	83.9	0	2.4	92.1	485.2
	92-93	15.4	2	0	0	29.6	0	0	11.7	0	0	0.5	0	0	0	0	0	9.9	0	5.7	13.3	88.1
	94	0	3.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.7	0	0	20.5	28.4
	n.a.	0	0	0	0	0	64.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64.3
Eucalyptus/	90-91	0	0	1.8	0	0	0	0	0	0	0	0	0	0	0	3.1	0	0	0	0	0	4.9
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6	0	0	1	3.6
Minjiri	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9	0	0	0	0	0	0.9
Strata 131, 132 &133		**69.9**	**138.7**	**225.9**	**6.1**	**287.8**	**208.9**	**0.0**	**119.4**	**0.0**	**17.7**	**72.7**	**10.3**	**0.0**	**127.0**	**427.6**	**0.0**	**289.2**	**2.3**	**55.8**	**397.7**	**2457.0**

Table 3. Plantation Areas by Block, Species Group and Year Planted (Chittagong)

	Year	Barabakia				Baraiyadhalal										Chunati							
Species	Plntd	Baraba	Paharc	Toitang	Total	Baraiya	Chandr	Fatikch	Harwal	Hazarik	Kunder	Ranga	Sitakun	Wahidp	Total	Bara H	Baraital	Chhota	Chunat	Goyal	Harban	Satgar	Teliakata
Acacia / Ch	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.5	0	0	0	0
	Total,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.5	0	0	0	0
Acacia / Ko	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia Auri	80-84	0	0	0	0	0	1.3	0	0	0	0	0	5.7	0	7	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	9.8	0	0	0	0	0	0	0	9.8	0	0	0	0	0	0	0	0
	90-91	0	7.3	0	7.3	0.9	5.6	8.5	0	0	16.4	0	0	0.9	32.3	1.6	0	0	0	11.2	7.1	24.7	7.9
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.7	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	6.1	6.1	9.1	0	0	0	0.4	0	0	40.9
	Total	0	7.3	0	7.3	0.9	16.7	8.5	0	0	16.4	0	5.7	7	55.2	10.7	0	0	0	11.6	22.8	24.7	48.8
Acacia ma	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	7.6	0	7.6	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	1.4	0	0	0	0	0	0	0	1.4	0	0	0	6.6	0	1.2	0	0
	90-91	0	0	0	0	0	1.6	0	0	0	0	0	0	0	1.6	7.6	0	0	1.1	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	3	0	0	0	0	0	7.6	0	10.6	7.6	0	0	7.7	0	1.2	0.7	0
Acacia/ Eu	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	4.9	0	0	0	0	0	0	0	4.9	0	0	0	0	0	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	13.2	0
	92-93	0	0	39.8	39.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4	0	0	0
	94	0	0	0	0	18.2	0	0	0	0	14.7	0	28.7	11.9	73.5	0	0	0	0	0	0	0	0
	Total	0	0	39.8	39.8	18.2	4.9	0	0	0	14.7	0	28.7	11.9	78.4	0	0	0	0	9.4	0	13.2	0
All species	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(LRS)	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	8.1	0	0	8.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	17.2	0	0	17.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	25.3	0	0	25.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Year	Barabakia				Baraiyadhalal										Chunati							
Species	Plntd	Baraba	Paharc	Toitang	Total	Baraiya	Chandr	Fatikch	Harwal	Hazarik	Kunder	Ranga	Sitakun	Wahidp	Total	Bara H	Baraital	Chhota	Chunat	Goyal	Harban	Satgar	Teliakata
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam/C	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam/T	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus	40-49	0	0	0	0	0	0	0	0	25.2	0	0	0	0	25.2	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	16.5	0	0	0	0	0	24	0	40.5	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	28.1	61.8	0	0	0	51.4	0	0	0	141.3	0	36.1	0	0	0	3.1	0	0
	90-91	0	0	7.4	7.4	9.7	0	0	0	0	4.8	0	5.3	0.2	20	16.2	4.2	0	0	3.4	0	39.8	3.4
	92-93	0	0	15.4	15.4	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0.6	0	0	2.6	3.2	0	0	0	0	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	22.8	22.8	39.8	78.3	0	0	25.2	56.8	0	29.3	2.8	232.2	16.2	40.3	0	0	3.4	3.1	39.8	3.4
Eucalyptus/	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8	0
Gamar	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	15.6	0	15.6	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	15.6	0	15.6	0	0	0	0	0	0	0	0
Garjan	20-29	0	0	0	0	0	0	0	0	2.9	0	0.1	0	0	3	0	0	0	0	0	0	0	0
	30-39	0	0	0	0	0	0	0	0	12.6	0	37.6	0	0	50.2	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	40.8	0	0.3	0	0	41.1	0	0	0	0	0	0	0	0
	50-59	0	0	0	0	0	0	0	0	29.2	0	0	0	0	29.2	0	0	0	0	0	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63.3	0	0	0	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.7	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0.9	0	0.9	0	0	0	2.6	0	13.4	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.5	0	0	0	67.3	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.3	0	0	0	0
	92-93	0	0	0	0	0	0	0	0.4	19.8	0	0	0	0.2	20.4	0	2.2	0	0	0	0	0	0

	Year	Barabakia				Baraiyadhalal										Chunati							
Species	Plntd	Baraba	Paharc	Toitang	Total	Baraiya	Chandr	Fatikch	Harwal	Hazarik	Kunder	Ranga	Sitakun	Wahidp	Total	Bara H	Baraital	Chhota	Chunat	Goyal	Harban	Satgar	Teliakata
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0.4	105.3	0	38	0.9	0.2	144.8	0	77	0	9.9	0	96.4	0	0
Koroi	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahogany	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mehogony/	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minjiri	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubber pla	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	0	0
Tea garden	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak coppi	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak, < 50	30-39	0	0	0	0	0	0	0	0	11	0	0	0	0	11	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	5.2	0	0	0	0	5.2	0	0	0	0	0	0	0	0
	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	60-64	0	0	21.3	21.3	0	0	0	0	0	0	0	0	0	0	0	0	0	5.1	3.2	0	0	0
	65-69	0	0	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34.1	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.6	0.1	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96.8	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	211.5	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.5	0	0
	92-93	0	0	2.2	2.2	0	0	0	0	0	0	0	0	0	0	0	25.1	0	21.9	0	29.9	48.6	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18.3	7.2	0	0	0
	Total	0	0	59.5	59.5	0	0	0	0	16.2	0	0	0	0	16.2	0	25.1	0	45.3	44.5	356.3	48.7	0
Teak, >50-	30-39	0	0	0	0	0	0	0	0	6.3	0	0	0	0	6.3	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	45.9	0	0	0	0	45.9	0	0	0	0	0	0	0	0
	50-59	5.4	0	0	5.4	0	0	0	0	2.3	0	0	0	0	2.3	0	0	0	0	55.4	0	0	0
	60-64	6.7	0	0	6.7	0	0	0	0	0	0	0	0	0	0	0	0	0	35.3	34.5	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.8	0.8	0	0	0

	Year	Barabakia				Baraiyadhalal										Chunati							
Species	Plntd	Baraba	Paharc	Toitang	Total	Baraiya	Chandr	Fatikch	Harwal	Hazarik	Kunder	Ranga	Sitakun	Wahidp	Total	Bara H	Baraital	Chhota	Chunat	Goyal	Harban	Satgar	Teliakata
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.7	0.2	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30.1	42.4	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	2.2	0	2.2	0	0	0	0	0	2.7	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.5	0	0	0
	94	0	0	0	0	0	0	44.8	0	0	0	31.9	0	0	76.7	0	0	0	0	43.1	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.8	0	0	0
	Total	12.1	0	0	12.1	0	0	44.8	0	54.5	0	31.9	2.2	0	133.4	0	0	0	40.1	193.2	51.8	0.2	0
Teak, >80	40-49	0	0	1	1	0	0	0	0	15.5	0	0	0	0	15.5	0	0	0	0	0	0	0	0
	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6	0	0	0
	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.4	0	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45.7	0	0	17.6	0
	70-74	0	0	0	0	3.5	0	0	0	0	0	0	0	0	3.5	0	0	0	30	0	0	0	0
	75-79	0	0	0	0	0.3	0	0	0	0	2.5	0	0	0	2.8	0	0	0	50.9	0	0	30.6	0
	80-84	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0.3	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	9.9	9.9	0	0	0	0	0	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.1	0	0	0
	Total	0	0	1	1	3.8	0	0	0	15.5	2.8	0	0	9.9	32	0	0	0	140	7.7	0	48.2	0
Teak/Dhaki	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak/Garja	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak/Garja	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentifie	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	71.1	0	11.6	82.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	119.9	0	116.5	236.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	30.6	30.6	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	2.4	0	0	0	0	0	0	0	0	2.4	0	0	0	0	0	0	0	0
	Total	191	0	128.1	319.1	2.4	0	0	0	0	0	0	0	30.6	33	0	0	0	0	0	0	0	0
n.a.		974.3	462.7	1372.8	2809.8	591.5	556	385.4	906.4	694.5	1048.8	555.5	489.5	1049	6276.6	782.4	92.2	542.7	997.2	987.2	455.1	560	414.4
Total		1202.7	470	1624	3296.7	656.6	658.9	438.7	906.8	911.2	1139.5	625.4	579.5	1111.4	7028	816.9	234.6	542.7	1246.7	1257	988.1	737.3	466.6

	Year	Chunat	Dohazari							Hasnabad			Hathazari										
Species	Plntd	Total	Baitara	Chiring	Dhopa	Lalutia	Mangal	Sangu	Total	Hasna	Tarakh	Total	Baram	Choto	Gamari	Gopalg	Hathaz	Hazirk	Khiram	Lot Ud	Magkat	Monaic	Sobha
Acacia /	94	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia /	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia A	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	52.5	3.3	0	0	0	0	0	3.3	66.8	0	66.8	0	0.4	0	0	0	0	0	0	0	0	0
	92-93	15.7	0	0	0	0	0	0	0	20.3	32.6	52.9	0	58.2	0	0	0	0	0	0	0	0	0
	94	50.4	0	0	0	0	0	0	0	85.5	0	85.5	0	0	0	0	0	0	0	0	0	0	0
	Total	118.6	3.3	0	0	0	0	0	3.3	172.6	32.6	205.2	0	58.6	0	0	0	0	0	0	0	0	0
Acacia m	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	7.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	8.7	2.8	0	0	0	0	0	2.8	4.9	0	4.9	0	0	0	5.6	0	0	0	0	22.3	0	0
	92-93	0.7	0	0	0	0	0	0	0	0	10.9	10.9	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	52.5	0	0	0	0	0	0	0	0
	Total	17.2	2.8	0	0	0	0	0	2.8	4.9	10.9	15.8	0	0	52.5	5.6	0	0	0	0	22.3	0	0
Acacia/	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	20.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	22.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
All speci	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(LRS)	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Year	Chunat	Dohazari							Hasnabad			Hathazari										
Species	Plntd	Total	Baitara	Chiring	Dhopa	Lalutia	Mangal	Sangu	Total	Hasna	Tarakh	Total	Baram	Choto	Gamari	Gopalg	Hathaz	Hazirk	Khiram	Lot Ud	Magkat	Monaic	Sobha
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalypt	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	39.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	67	0	0	0	0	0	0	0	37.2	0	37.2	0	0	0	0	0	0	0	0	5.6	0	0
	92-93	0	0	0	0	0	0	0	0	0	29.6	29.6	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	64.3	0	0	0	0	0	0	0	0
	Total	106.2	0	0	0	0	0	0	0	37.2	29.6	66.8	0	0	64.3	0	0	0	0	0	5.6	0	0
Eucalypt	90-91	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	1.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gamar	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Garjan	20-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	0	0	0	0	0	0	0	0	5.6	0	5.6	0	0	0	0	0	0	0	0	0	0	0
	65-69	63.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	15.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0
	80-84	16	0	0	14.1	0	0	0	14.1	0	0	0	0	0	0	0	0	0	78.2	0	0	0	0
	85-89	78.8	0	0	0	0	0	0	0	5.9	0	5.9	0	0	0	0	0	0	0	0	0	0	0
	90-91	7.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	2.2	0	0	0	0	0	0	0	3.1	0	3.1	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	183.3	0	0	14.1	0	0	0	14.1	14.6	0	14.6	0	0	0	0	0	0	100.2	0	0	0	0
Koroi	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Year	Chunat	Dohazari							Hasnabad			Hathazari										
Species	Plntd	Total	Baitara	Chiring	Dhopa	Lalutia	Mangal	Sangu	Total	Hasna	Tarakh	Total	Baram	Choto	Gamari	Gopalg	Hathaz	Hazirk	Khiram	Lot Ud	Magkat	Monaic	Sobha
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahogan	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mehogon	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minjiri	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubber p	n.a.	1.4	0	0	0	0	0	0	0	8.2	1195.4	1203.6	0	0	0	0	0	0	0	0	0	0	0
	Total	1.4	0	0	0	0	0	0	0	8.2	1195.4	1203.6	0	0	0	0	0	0	0	0	0	0	0
Tea gard	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123.4	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123.4	0	0
Teak cop	n.a.	0	0	443.8	0.1	340.4	0	0	784.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	443.8	0.1	340.4	0	0	784.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak, <	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	50.2	0	0	0	50.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	60-64	8.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	34.1	0	0	0	1.6	0	0	1.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0	0	0	3.5	0	0	3.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	9.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	96.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	211.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	8.5	0	0	0	0	24.1	1.3	25.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	125.5	0	0	0.2	0	37.8	1.9	39.9	8.3	0	8.3	0	0	0	0	0	0	0	0	0	0	0
	94	25.5	0	0	0	3.8	0	0	3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	519.9	0	0	50.4	8.9	61.9	3.2	124.4	8.3	0	8.3	0	0	0	0	0	0	0	0	0	0	0
Teak, >5	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	55.4	0	0	8.4	0	0	11.1	19.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6
	60-64	69.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	5.6	0	34	0.3	7.5	0	132.2	174	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	6.9	0	0	6.1	6.6	0	0	12.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	72.5	0	1.2	0	2.4	0	0	3.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	2.7	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Year	Chunat	Dohazari							Hasnabad			Hathazari										
Species	Plntd	Total	Baitara	Chiring	Dhopa	Lalutia	Mangal	Sangu	Total	Hasna	Tarakh	Total	Baram	Choto	Gamari	Gopalg	Hathaz	Hazirk	Khiram	Lot Ud	Magkat	Monaic	Sobha
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	25.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	43.1	0	0	0	11.6	0	0	11.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	3.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	285.3	0	35.2	16.8	28.1	0	143.3	223.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6
Teak, >8	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.3	0	0	0	0
	50-59	3.6	0	0	1.7	0	0	120.2	121.9	9.4	0	9.4	0	0	0	0	0	0	12	0	0	0	0
	60-64	13.4	0	0	0	0	0	0	0	29.1	0	29.1	0	0	0	0	0	0	0	0	0	0	0
	65-69	63.3	0	46.8	29.6	0	0	0	76.4	0	0	0	0	0	0	0	0	0	14.8	0	0	0	0
	70-74	30	0	0	18.7	0	0	0	18.7	0	0	0	0	0	0	0	0	0	5.4	0	0	0	0
	75-79	81.5	0	0	1	2.2	0	0	3.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0.3	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	4.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	195.9	0	47.1	51	2.2	0	120.2	220.5	38.5	0	38.5	0	0	0	0	0	0	52.5	0	0	0	0
Teak/Dh	80-84	0	0	0	0	0	0	0	0	0	0	0	112.3	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	112.3	0	0	0	0	0	0	0	0	0	0
Teak/Ga	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak/Ga	80-84	0	0	0	0	0	0	0	0	0	0	0	67.7	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	67.7	0	0	0	0	0	0	0	0	0	0
Unidentifi	70-74	0	0	0	0	17.5	0	0	17.5	0	0	0	0	0	0	0	0	0	0	0	0	0	15.2
	75-79	0	0	0	0	7.6	0	0	7.6	0	0	0	0	0	0	0	0	0	0	0	0	0	143.4
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	20.5	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	25.1	0	0	25.1	0	0	0	0	0	20.5	0	0	0	0	0	3.1	0	178.6
n.a.		4831.2	403.5	106.3	1363.7	480	1407.1	687.7	4448.3	1058.6	546.4	1605	705.5	404.9	2622.8	758.8	1136	263.5	806.4	5	440.8	898.3	1136.3
Total		6289.9	409.6	632.4	1496.1	884.7	1469	954.4	5846.2	1342.9	1814.9	3157.8	885.5	463.5	2760.1	764.4	1136	263.5	959.1	5	595.2	898.3	1315.5

	Year	Hathazari		Ichamati				Jaldi						Kalipur (P.F.)					Karerhat				
Species	Plntd	Udalia	Total	Ghagra	Nischin	Thanda	Total	Bailcha	Chamb	Jaldi	Napura	Puicha	Total	Chech	Kalipur	Pukuri	Sadha	Total	Hiakho	Koila N	Lakhic	Nalua	Nischin
Acacia / C	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia / K	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia Au	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	1.8	0	30	0	31.8	0	0	0	0	0	0	0	1.8	0	0
	90-91	0	0.4	0	0	0	0	0	0	0	15.2	0	15.2	0	0	0	0	0	0	0	0	0	0
	92-93	0	58.2	0	0	0	0	0	10.5	0	0	0	10.5	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	58.6	0	0	0	0	0	12.3	0	45.2	0	57.5	0	0	0	0	0	0	0	1.8	0	0
Acacia m	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0
	85-89	0	0	0	0	0	0	0	0	0	11.3	0	11.3	0	0	0	0	0	0	0	16.6	0	0
	90-91	0	27.9	0	0	0	0	0	0	0	6.7	1.3	8	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	52.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	80.4	0	0	0	0	0	0	0	18	1.3	19.3	0	0	0	0	0	0	0	17.2	0	0
Acacia/ E	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	25.4	0	0	0	25.4	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	25.4	0	0	0	25.4	0	0	0	0	0	0	0	0	0	0
All specie	50-59	0	0	0	16.6	0	16.6	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	0	0
(LRS)	60-64	0	0	0	6.4	0	6.4	0	0	0	0	0	0	0	0	0	0	0	0	0	8.2	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.9	8.9	0	0	4.6	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42.5	42.5	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	23	0	23	0	0	0	0	0	0	0	0	0	51.4	51.4	0	0	16	0	0
Dhakijam	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	18.3	0	0	0	18.3	0	0	0	0	0	0	5.9	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.6	26.9	0	0	0

	Year	Hathazari		Ichamati				Jaldi						Kalipur (P.F.)					Karerhat				
Species	Plntd	Udalia	Total	Ghagra	Nischin	Thanda	Total	Bailcha	Chamb	Jaldi	Napura	Puicha	Total	Chech	Kalipur	Pukuri	Sadha	Total	Hiakho	Koila N	Lakhic	Nalua	Nischin
	Total	0	0	0	0	0	0	0	18.3	0	0	0	18.3	0	0	0	0	0	13.6	32.8	0	0	0
Dhakijam/	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam/	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptu	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2	0	0
	85-89	0	0	0	0	0	0	0	13.4	0	15.3	5.9	34.6	0	0	0	0	0	5.8	0	6.8	0	0
	90-91	0	5.6	0	0	0	0	0	0	0	32.5	16.1	48.6	0	0	0	0	0	0	0	17.7	0	0
	92-93	0	0	0	0	0	0	0	11.7	0	0	0	11.7	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	64.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	69.9	0	0	0	0	0	25.1	0	47.8	22	94.9	0	0	0	0	0	5.8	0	30.7	0	0
Eucalyptu	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gamar	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.5
	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.7	0	0	0	3.3
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6	0	0	0	0.1
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.3	0	0	0	5.9
Garjan	20-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24.8	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.4	0	0
	80-84	0	78.2	0	0.7	0	0.7	0	120.6	0	0	28.3	148.9	0	0	0	0	0	4	122.8	0	0	0
	85-89	0	0	0	8	0	8	0	0	0	24.7	0	24.7	0	0	0	0	0	204.5	99.4	0	0	0
	90-91	0	0	0	0.4	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0.2	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	100.2	0.2	9.1	0	9.3	0	120.6	0	24.7	28.3	173.6	0	0	0	0	0	208.5	247	6.4	0	0
Koroi	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Year	Hathazari		Ichamati				Jaldi						Kalipur (P.F.)					Karerhat				
Species	Plntd	Udalia	Total	Ghagra	Nischin	Thanda	Total	Bailcha	Chamb	Jaldi	Napura	Puicha	Total	Chech	Kalipur	Pukuri	Sadha	Total	Hiakho	Koila N	Lakhic	Nalua	Nischin
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahogan	85-89	0	0	0	9.2	0	9.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	9.2	0	9.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mehogon	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minjiri	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubber pl	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103.8	0	0	0	930.9
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103.8	0	0	0	930.9
Tea garde	n.a.	0	123.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	123.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak cop	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak, < 5	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	0	0	0	2.4	0	2.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.5	5.8
	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27.3	14.1	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24.4	68.7	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	28.4	0	0	0	28.4	0	0	0	0	0	0	2	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	31.2	14.8	46	0	0	0	0	0	12.8	0	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	22.6	73.1	95.7	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	89.8	0	89.8	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	2.4	0	2.4	0	28.4	0	143.6	87.9	259.9	0	0	0	0	0	12.8	53.7	82.8	2.5	5.8
Teak, >50	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.4	0
	50-59	0	0.6	0	25	3	28	0	0	0	0	0	0	0	0	0	0	0	0	81	32.9	49.4	2
	60-64	0	0	0	10.7	0	10.7	0	0	0	0	0	0	0	0	0	0	0	0	15.7	62.6	0	0
	65-69	0	0	0	6.1	0	6.1	0	0	0	0	0	0	0	0	0	0	0	0	17.7	105.7	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	8.7	0	0	0	8.7	0	0	0	0	0	0	0	0	0	0

	Year	Hathazari		Ichamati				Jaldi						Kalipur (P.F.)					Karerhat				
Species	Plntd	Udalia	Total	Ghagra	Nischin	Thanda	Total	Bailcha	Chamb	Jaldi	Napura	Puicha	Total	Chech	Kalipur	Pukuri	Sadha	Total	Hiakho	Koila N	Lakhic	Nalua	Nischin
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0.6	0	41.8	3	44.8	0	8.7	0	0	0	8.7	0	0	0	0	0	0	114.4	201.2	54.8	2
Teak, >80	40-49	0	20.3	0	0	28.7	28.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	0	12	0	0	90.6	90.6	0	0	0	0	0	0	0	0	0	0	0	2.5	0	0	0	85.7
	60-64	0	0	0	0	10.7	10.7	0	0	0	0	0	0	0	0	0	0	0	2.2	0	0	0	13
	65-69	0	14.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.1	2	0.2	0	21.2
	70-74	0	5.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	9.6	0	0	0	9.6	0	0	0	0	0	0	1.5	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7	6.5	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	52.5	0	0	130	130	0	9.6	0	0	0	9.6	0	0	0	0	0	13.5	10	0.2	0	119.9
Teak/Dha	80-84	0	112.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	112.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak/Garj	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak/Garj	80-84	0	67.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	67.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentifi	70-74	0	15.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38.8	0	0
	75-79	0	143.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.9	127.4	0
	80-84	0	20	0	10.8	0	10.8	0	0	0	0	0	0	0	0	0	29.1	29.1	0	83.4	9.7	5.8	0
	90-91	0	3.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	20.5	0	0	0	0	0	0	0	0	0	0	0	0	0	14.8	14.8	0	0	0	0	0
	94	0	0	0	2	0	2	0	0	0	0	0	0	27.3	20.1	0	4.8	52.2	0	0	0	0	0
	Total	0	202.2	0	12.8	0	12.8	0	0	0	0	0	0	27.3	20.1	0	48.7	96.1	0	83.4	60.4	133.2	0
n.a.		1248.8	10427	517.1	285.3	531.4	1333.8	463.5	836.6	1113.1	1316	1196.7	4925.9	329.6	1031	146	384.1	1890.7	438.8	1058.8	1374.3	455.1	837.6
Total		1248.8	11295	517.3	383.6	664.4	1565.3	463.5	1085	1113.1	1595.3	1336.2	5593.1	356.9	1051.1	146	484.2	2038.2	806.1	1600.1	1791	645.6	1902.1

	Year	Karerhat		Khurusia					Kumira						Madarsha (P.F.)				Mirsarai				
Species	Plntd	Panua	Total	Dudpu	Khurus	Sivchar	Sukbila	Total	Barabk	Barabk	Chandr	Kumira	Shitala	Total	Baram	Chura	Madars	Total	Gobani	Hinguli	Koila S	Raghu	Zorarg
Acacia /	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia / K	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia Au	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.5	0	0	0
	85-89	0	1.8	0	0	0	0	0	0	0	0	2.2	0	2.2	0	0	0	0	0	4.4	0	0	2.3
	90-91	0	0	0	0	0	0	0	0	0	0	7.1	0	7.1	0	0	0	0	0	0	0	0	0.6
	92-93	0	0	0	18.3	0	0	18.3	0	0	0	0	0	0	0	0	0	0	0	0	48.7	0	0
	94	0	0	0	0	0	11.9	11.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.7
	Total	0	1.8	0	18.3	0	11.9	30.2	0	0	0	9.3	0	9.3	0	0	0	0	0	33.9	48.7	0	18.6
Acacia m	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40.5	0	0	0
	85-89	0	16.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.8	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	17.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47.3	0	0	0
Acacia/ E	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	0	0	18.5	0	0	18.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.3	0	16.3
	94	0	0	0	5.2	0	18.3	23.5	0	0	0	0	0	0	0	0	0	0	0	0	38.4	0	0
	Total	0	0	0	23.7	0	18.3	42	0	0	0	0	0	0	0	0	0	0	0	0	45.7	0	16.3
All specie	50-59	0	3.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(LRS)	60-64	0	8.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	4.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	5.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1	0	0	0
	85-89	0	40.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Year	Karerhat		Khurusia					Kumira						Madarsha (P.F.)				Mirsarai				
Species	Plntd	Panua	Total	Dudpu	Khurus	Sivchar	Sukbila	Total	Barabk	Barabk	Chandr	Kumira	Shitala	Total	Baram	Chura	Madars	Total	Gobani	Hinguli	Koila S	Raghu	Zorarg
	Total	0	46.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1	0	0	0
Dhakijam/	75-79	3.6	3.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	3.6	3.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam/	80-84	48.1	48.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	32.7	32.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	80.8	80.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptu	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	6.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	12.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	17.7	0	0	0	0	0	0	0	0	3.2	0	3.2	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0.5	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	36.5	0	0.5	0	0	0.5	0	0	0	3.2	0	3.2	0	0	0	0	0	0	0	0	0
Eucalyptu	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gamar	50-59	0	2.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	60-64	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	3.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	15.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Garjan	20-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	0	0	0	0	0	1.2	1.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	24.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	6.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22.9	0	0
	80-84	0	126.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.2	0	0.4	0	0
	85-89	24.9	328.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.1	0	1.7	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30.2	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	24.9	486.8	0	0	0	1.2	1.2	0	0	0	0	0	0	0	0	0	0	5.3	0	55.2	0	0
Koroi	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Year	Karerhat		Khurusia					Kumira						Madarsha (P.F.)				Mirsarai				
Species	Plntd	Panua	Total	Dudpu	Khurus	Sivchar	Sukbila	Total	Barabk	Barabk	Chandr	Kumira	Shitala	Total	Baram	Chura	Madars	Total	Gobani	Hinguli	Koila S	Raghu	Zorarg
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahogan	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mehogon	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2	0	0	0	0
Minjiri	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubber pl	n.a.	87	1121.7	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	13.9	0	0
	Total	87	1121.7	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	13.9	0	0
Tea garde	n.a.	0	0	0	0	0	25.2	25.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	25.2	25.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak cop	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak, < 5	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	0	8.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.4	0	0	0
	60-64	0.4	41.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0.1	93.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.2	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	1.6	0	0	1.6	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18.1	0	0	0
	85-89	13.5	26.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	8.7	8.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	4.7	0	0	4.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	14	171.6	0	4.7	0	8.7	13.4	0	0	0	0	0	0	1.6	0	0	1.6	0	21.5	1.2	0	0
Teak, >50	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	5.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	3.7	169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	60-64	7.9	86.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	123.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.6	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0.7	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Year	Karerhat		Khurusia					Kumira						Madarsha (P.F.)				Mirsarai				
Species	Plntd	Panua	Total	Dudpu	Khurus	Sivchar	Sukbila	Total	Barabk	Barabk	Chandr	Kumira	Shitala	Total	Baram	Chura	Madars	Total	Gobani	Hinguli	Koila S	Raghu	Zorarg
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	12.3	384.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.6	0	0
Teak, >80	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	0	88.2	0	0	0	2.5	2.5	0	0	0	0	0	0	0	0	0	0	25.1	58.2	0	0	56.4
	60-64	0	15.2	0	0	0	6.4	6.4	0	0	0	0	0	0	0	0	0	0	21	50.7	0	51.3	21.9
	65-69	0	31.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	60.7	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55.9
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54.1	7.1	7.5	8	28
	80-84	0	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	3.7
	85-89	0	7.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	143.6	0	0	0	8.9	8.9	0	0	0	0	0	0	0	0	0	0	115.2	119.2	68.2	59.3	165.9
Teak/Dha	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak/Garj	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak/Garj	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentifi	70-74	0	38.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	36.7	176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.5	0	0
	80-84	72.9	171.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	28.1	0	0	28.1	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.8	6	26.8	0	0	0	0	0
	94	0	0	0	1.1	0	0	1.1	0	0	0	0	0	0	28.1	20.8	6	54.9	0	0	2.5	0	0
	Total	109.6	386.6	0	1.1	0	0	1.1	0	0	0	0	0	0	197.8	595.9	307.8	1101.5	1007.7	1151.1	1818.1	1512.8	1304.2
n.a.		931.3	5095.9	834.9	852.5	925.4	507.9	3120.7	391	353.7	111.3	525.8	1649.6	3031.4	227.5	616.7	313.8	1158	1134.4	1376.1	2066.1	1572.1	1505
Total		1263.5	8008.4	834.9	900.8	925.4	582.1	3243.2	391	355.7	111.3	538.3	1649.6	3045.9									

	Year	Mirsarai	Narayanhat										Olinagar		Padua									Patiya
Species	Plntd	Total	Badurk	Chand	Dantm	E. Kaiy	E. Kan	Idilpur	Kaiyap	Nalua	W. Kan	Total	Feni	Total	Chara	Fareng	Mahali	Narisch	Purana	Sarasia	Tankab	Total		Bhand
Acacia / C	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Acacia / K	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.8	0	0	0	0	28.8		0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21.5	0	21.5		0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.8	0	0	21.5	0	50.3		0
Acacia Au	80-84	29.5	0	0	0	0	0	0	4.6	0	0	4.6	0	0	0	0	0	0	0	0	0	0		0
	85-89	6.7	0	0	0	0	0	0	0	0	4.4	4.4	0	0	0	0	0	0	0	0	0	0		0
	90-91	0.6	6.3	47.5	86	0	0	0	0	0	0	139.8	0	0	0	0	36.3	0	0	10.8	0	47.1		0
	92-93	48.7	0	42.6	0	0	0	0	0	0	3	45.6	0	0	0	0	0.2	3.5	0	60.8	0	64.5		0
	94	15.7	0	0	0	0	0	46.1	0	0	1.6	47.7	0	0	0	0	0	0	0	0	0	0		0
	Total	101.2	6.3	90.1	86	0	0	46.1	4.6	0	9	242.1	0	0	0	0	36.5	3.5	0	71.6	0	111.6		0
Acacia ma	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	80-84	40.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	85-89	6.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	0	0	0	2.9		0
	90-91	0	0	39.6	16.3	0	0	0	29.2	0	0	85.1	0	0	0	0	17.8	0	0	6.5	0	24.3		0
	92-93	0	0	0.6	0	0	0	0	0	0	0	0.6	0	0	0	0	0	1.9	0	0	0	1.9		0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	Total	47.3	0	40.2	16.3	0	0	0	29.2	0	0	85.7	0	0	0	0	20.7	1.9	0	6.5	0	29.1		0
Acacia/ E	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	90-91	0	0	2.8	0	0	0	0	1.9	0	0	4.7	0	0	0	0	0	0	0	0	0	0		0
	92-93	23.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	94	38.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	Total	62	0	2.8	0	0	0	0	1.9	0	0	4.7	0	0	0	0	0	0	0	0	0	0		0
All specie	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
(LRS)	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
Dhakijam	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	70-74	0	17.9	0	0	0	0	0	0	0	0	17.9	0	0	0	0	0	0	0	0	0	0		0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	80-84	3.1	30.1	0	0	0	0	0	1.1	0	0	31.2	0	0	0	0	0	0	0	0	0	0		0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

Species	Year Plntd	Mirsarai Total	Harayanhat Baduk	Chand	Dandra	E Kaiy	E Kan	Idilpur	Kaiyap	Halua	W Kan	Total	Olinagar Feni	Total	Padua Chara	Fareng	Mahali	Narisch	Purana	Sarasia	Tankab	Total	Patiya Bhand
Acacia / C	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia / K	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.8	0	0	0	0	28.8	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21.5	0	21.5	0
	94 ,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.8	0	0	21.5	0	50.3	0
Acacia Au	80-84	29.5	0	0	0	0	0	0	4.6	0	0	4.6	0	0	0	0	0	0	0	0	0	0	0
	85-89	6.7	0	0	0	0	0	0	0	0	4.4	4.4	0	0	0	0	0	0	0	0	0	0	0
	90-91	0.6	6.3	47.5	86	0	0	0	0	0	0	139.8	0	0	0	0	36.3	0	0	10.8	0	47.1	0
	92-93	48.7	0	42.6	0	0	0	0	0	0	3	45.6	0	0	0	0	0.2	3.5	0	60.8	0	64.5	0
	94	15.7	0	0	0	0	0	46.1	0	0	1.6	47.7	0	0	0	0	0	0	0	0	0	0	0
	Total	101.2	6.3	90.1	86	0	0	46.1	4.6	0	9	242.1	0	0	0	0	36.5	3.5	0	71.6	0	111.6	0
Acacia ma	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	40.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	6.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.9	0	0	0	0	2.9	0
	90-91	0	0	39.6	16.3	0	0	0	29.2	0	0	85.1	0	0	0	0	17.8	0	0	6.5	0	24.3	0
	92-93	0	0	0.6	0	0	0	0	0	0	0	0.6	0	0	0	0	0	1.9	0	0	0	1.9	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	47.3	0	40.2	16.3	0	0	0	29.2	0	0	85.7	0	0	0	0	20.7	1.9	0	6.5	0	29.1	0
Acacia/ E	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	0	2.8	0	0	0	0	1.9	0	0	4.7	0	0	0	0	0	0	0	0	0	0	0
	92-93	23.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	94	38.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	62	0	2.8	0	0	0	0	1.9	0	0	4.7	0	0	0	0	0	0	0	0	0	0	0
All specie	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(LRS)	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	17.9	0	0	0	0	0	0	0	0	17.9	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	3.1	30.1	0	0	0	0	0	1.1	0	0	31.2	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	Year	Mirsarai	Narayanhat										Olinagar		Padua								Patiya
Species	Plntd	Total	Badurk	Chand	Dantm	E. Kaiy	E. Kan	Idilpur	Kaiyap	Nalua	W. Kan	Total	Feni	Total	Chara	Fareng	Mahali	Narisch	Purana	Sarasia	Tankab	Total	Bhand
	Total	3.1	48	0	0	0	0	0	1.1	0	0	49.1	0	0	0	0	0	0	0	0	0	0	0
Dhakijam/	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dhakijam/	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptu	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16.2	0	0	0	0	16.2	0
	90-91	0	0	48.3	30.5	0	0	0	21.3	0	0	100.1	0	0	0	0	50.7	0	0	33.2	0	83.9	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	0	0	0	9.9	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.7	0	0	0	0	4.7	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	48.3	30.5	0	0	0	21.3	0	0	100.1	0	0	0	0	71.6	9.9	0	33.2	0	114.7	0
Eucalyptu	90-91	0	0	3.1	0	0	0	0	0	0	0	3.1	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6	0	0	0	2.6	0
	Total	0	0	3.1	0	0	0	0	0	0	0	3.1	0	0	0	0	0	2.6	0	0	0	2.6	0
Gamar	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Garjan	20-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	0	0.2	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0
	75-79	22.9	0	0	2.8	0	0	0	0	0	0	2.8	0	0	0	0	0	0	0	0	0	0	0
	80-84	2.6	81.2	0	8.2	0	0	0	92	0	0.6	182	0	0	0	0	0	0	0	0	0	0	0
	85-89	4.8	0	0	40.5	0	0	0	11.5	0	0	52	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	0	8.8	0	0	0	0	0	0	0	8.8	0	0	0	0	0	0	0	0	0	0	0
	92-93	30.2	9.5	17.6	0	0	0	0	0	0	0	27.1	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	60.5	90.9	26.4	51.5	0	0	0	103.5	0	0.6	272.9	0	0	0	0	0	0	0	0	0	0	0
Koroi	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.8	0	0	22	0	26.8	0

	Year	Mirsarai	Narayanhat										Olinagar		Padua								Patiya
Species	Plntd	Total	Badurk	Chand	Dantm	E. Kaiy	E. Kan	Idilpur	Kaiyap	Nalua	W. Kan	Total	Feni	Total	Chara	Fareng	Mahali	Narisch	Purana	Sarasia	Tankab	Total	Bhand
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.8	0	0	24	0	28.8	0
Mahogany	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mehogony	92-93	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	n.a.	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	6.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minjiri	90-91	0	0	0	0.9	0	0	0	0	0	0	0.9	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0.9	0	0	0	0	0	0	0.9	0	0	0	0	0	0	0	0	0	0	0
Rubber pl	n.a.	13.9	0	0	0	0	0	0	0	6.9	0	6.9	0	0	0	0	0	0	0	0	0	0	0
	Total	13.9	0	0	0	0	0	0	0	6.9	0	6.9	0	0	0	0	0	0	0	0	0	0	0
Tea garde	n.a.	0	0	0	0	0	47	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	47	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0
Teak copp	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak, < 50	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	3.4	0	0	0	0	0	0	0	0	12	12	0	0	0	0	0	0	0	0	50.8	50.8	0
	60-64	0	0	0	0	0	0	0	0	0	0	0	0.9	0.9	0	0	0	0	0	0	0	0	0
	65-69	1.2	0	0	0	0	0	0	0	0	1	1	3.8	3.8	0	0	0	0	0	0	0	0	0
	70-74	0	20.6	0	0	0	0	0	0	0	0	20.6	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	18.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90-91	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	0	30.3	0	0	0	45.4	0.9	0	0	76.6	0	0	0	0	0	30	0	0	0	30	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.2	37.8	0	0	0	52	0
	Total	22.7	20.6	30.3	0	0	0	45.4	3.9	0	13	113.2	4.7	4.7	0	0	14.2	67.8	0	0	50.8	132.8	0
Teak, >50	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	0	0	0	0	0	0	0	0	0	18.5	18.5	10.8	10.8	0	0	0	0	0	0	55.2	55.2	0
	60-64	0	0	0	0	0	0	0	0	0	10.8	10.8	17.2	17.2	0	0	0	0	0	0	0	0	0
	65-69	12.6	0	0	45.2	0	0	0	0	0	1.7	46.9	57.5	57.5	0	0	0	16.4	0	0	0	16.4	0
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.5	0	0	13.5	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	0	3.5	0	0	0	0	0	0	0	0	3.5	0	0	0	0	0	0	0	0	0	0	0

	Year	Mirsarai	Narayanhat										Olinagar		Padua								Patiya
Species	PIntd	Total	Badurk	Chand	Dantm	E. Kaiy	E. Kan	Idilpur	Kaiyap	Nalua	W. Kan	Total	Feni	Total	Chara	Fareng	Mahali	Narisch	Purana	Sarasia	Tankab	Total	Bhand
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.8	0	0	3.8	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	9.7	0	49.5	0	0	10.7	0	69.9	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18.7	0	0	0	14.2	32.9	0
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	12.6	3.5	0	45.2	0	0	0	0	0	31	79.7	85.5	85.5	9.7	0	68.2	16.4	17.3	10.7	69.4	191.7	0
Teak, >80	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50-59	139.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.2	12.2	0
	60-64	144.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.7	3.7	0
	65-69	63.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70-74	55.9	0	0	0	0	0	0	0	0	2.4	2.4	0	0	0	0	0	0	2	0	0	2	0
	75-79	104.7	0	0	5.8	0	0	0	0	0	13	18.8	0	0	0	0	0	0	0	0	0	0	0
	80-84	18.7	1	0.5	0	1	0	0	0	0	7.4	9.9	0	0	0	0	0	0	0	0	0	0	0
	85-89	0	0	0	1.6	0	0	0	0	0	0	1.6	0	0	0	0	6.9	0	0	0	0	6.9	0
	90-91	0	0	8.9	1.8	0	0	0	0	0	0	10.7	0	0	0	0	0	0	0	5	0	5	0
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0	0	35.7	0	36.5	0
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.8	0	0	4.2	0	17	0
	Total	527.8	1	9.4	9.2	1	0	0	0	0	22.8	43.4	0	0	0	0	20.5	0	2	44.9	15.9	83.3	0
Teak/Dha	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Teak/Garj	50-59	0	0	0	0	0	0	0	0	0	4.4	4.4	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	4.4	4.4	0	0	0	0	0	0	0	0	0	0	0
Teak/Garj	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentifie	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80-84	2.5	0	0	0	0	0	0	0	0	15.7	15.7	64.6	64.6	0	0	0	0	0	0	0	0	0
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92-93	0	12.2	0	0	0	0	0	0	0	0	12.2	0	0	0	0	0	0	0	0	0	0	0
	94	0	0	20.1	0	0	0	0	0	0	0	20.1	0	0	0	0	0	0	0	17.5	0	17.5	0
	Total	2.5	12.2	20.1	0	0	0	0	0	0	15.7	48	64.6	64.6	0	0	0	0	0	17.5	0	17.5	0
n.a.		6793.9	1019.8	1012.2	768.8	791.6	113.5	1564.9	423.1	1001.5	522.4	7217.8	1302.6	1302.6	446.7	1089	445.7	454.7	250.1	345.3	594.6	3626.1	191.6
Total		7653.7	1202.3	1282.9	1008.4	792.6	160.5	1656.4	588.6	1008.4	618.9	8319	1457.4	1457.4	456.4	1089	711	556.8	269.4	575.2	730.7	4388.5	191.6

	Year	Patiya							Rangunia								Total
Species	Plntd	Dumuri	Elahab	Hashe	Silchari	Sonaic	Srimai	Total	Chiring	Kodala	Narisch	Pomar	Sarapb	Tripura	Total	n/a	
Acacia /	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.4	35.9
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.4	35.9
Acacia /	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.8	38.6
'	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.2	31.7
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0.8
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.8	71.1
Acacia A	80-84	0	0	43.5	0	0	0	43.5	0	0	0	0	0	0	0	2.3	86.9
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.9	63.6
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1	52.8	425.3
	92-93	0	0	0	2.3	0	0	2.3	0	0	2.9	0	0	0	2.9	39.5	359.1
	94	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0.2	39.8	257.3
	Total	0	0	43.5	2.3	0	0	45.8	0.2	0	2.9	0	0	0.1	3.2	141.3	1192.2
Acacia	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.1	4.1
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	49.2
	85-89	0	0	0	0	0	0	0	0	0	0	7.3	0	1.8	9.1	1.5	57.4
	90-91	0	0	0	0	0	0	0	10.3	0	0	0	0	0	10.3	14.4	188
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4	16.5
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.6	73.1
	Total	0	0	0	0	0	0	0	10.3	0	0	7.3	0	1.8	19.4	43.5	388.3
Acacia/	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1	2.1
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.4	46.8
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65.8
	94	0	0	0	0	0	0	0	0.2	0	34	0	0	0	34.2	47.7	242.7
	Total	0	0	0	0	0	0	0	0.2	0	34	0	0	0	34.2	53.2	362.3
All speci	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.5	25.3
(LRS)	60-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8	16.4
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.8	16.3
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	10

ar	Patiya							Rangunia								Total
ntd	Dumuri	Elahab	Hashe	Silchari	Sonaic	Srimai	Total	Chiring	Kodala	Narisch	Pomar	Sarapb	Tripura	Total	n/a	
-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.5	73.2
-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39.4	39.4
tal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64.9	180.6
-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.4
-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.9
-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.9	3.9
-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126.5	185
-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.9	50.4
tal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140.7	257.6
-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6
tal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6
-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48.1
-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32.7
tal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80.8
-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.2
-79	0	0	0	0	0	0	0	0	0	0	11.1	0	0	11.1	0	11.1
-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.3	55
-89	0	0	0	0	0	0	0	0	0	0	1.2	0	4.5	5.7	53.1	302.7
-91	0	0	0	0	0	0	0	2.4	0	0	0	0	0	2.4	92.1	485.2
-93	0	0	0	0	0	0	0	0	0	5.7	0	0	0	5.7	13.3	88.1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.5	28.4
a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64.3
tal	0	0	0	0	0	0	0	2.4	0	5.7	12.3	0	4.5	24.9	187.3	1060
-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.9
-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3.6
tal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8.5
-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.5
-64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.4	5.1

	Year	Patiya							Rangunia								Total
Species	Plntd	Dumuri	Elahab	Hashe	Silchari	Sonaic	Srimai	Total	Chiring	Kodala	Narisch	Pomar	Sarapb	Tripura	Total	n/a	
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	16
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.8	32.6
Garjan	20-29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9	52.1
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	41.9
	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	37
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.2	96.3
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.8	7
	75-79	0	0	0	0	0	0	0	0	0	0	2.2	0	0	2.2	71.4	143.4
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120.1	690.3
	85-89	0	0	0	0	0	0	0	0	0	0.2	0	0	25.1	25.3	103.6	631.9
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16.5
	92-93	0	0	0	0	0	0	0	0	0	1.4	0	0	0	1.4	21.3	105.9
	94	0.9	0	0	0	0	0	0.9	0	0	0	0	0	0	0	5.2	6.1
	Total	0.9	0	0	0	0	0	0.9	0	0	1.6	2.2	0	25.1	28.9	340.3	1831.4
Koroi	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.9	30.7
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.3
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.2	33
Mahoga	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.8	15
	92-93	0	0	0	2.3	0	0	2.3	0	0	0	0	0	0	0	0	2.3
	Total	0	0	0	2.3	0	0	2.3	0	0	0	0	0	0	0	5.8	17.3
Mehogo	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.2
Minjiri	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9
Rubber	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	433.3	2782.8
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	433.3	2782.8
Tea gard	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2549.7	2745.3

	Year	Patiya							Rangunia								Total
Species	Plntd	Dumuri	Elahab	Hashe	Silchari	Sonaic	Srimai	Total	Chiring	Kodala	Narisch	Pomar	Sarapb	Tripura	Total	n/a	
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2549.7	2745.3
Teak co	n.a.	0	0	0.5	0	0	0	0.5	0	0	0	0	0	0	0	11.3	796.1
	Total	0	0	0.5	0	0	0	0.5	0	0	0	0	0	0	0	11.3	796.1
Teak, <	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	55.9
	50-59	0	0	2.7	0	0	0	2.7	0	0	0	0	0	0	0	6.1	85.7
	60-64	0	0	0	1.3	0	0	1.3	0	0	0	0	0	0	0	7.1	80.7
	65-69	0	0	0	0.8	0	0	0.8	0	0	0	0	0	0	0	53.5	225.2
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36.9	62.6
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44.5	54.2
	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25.7	171
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73.9	357.7
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33.1	70
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	147.4	534.3
	94	0	0	0	0	0	0	0	0	0	14.9	0	0	0	14.9	30	220.7
	Total	0	0	2.7	2.1	0	0	4.8	0	0	14.9	0	0	0	14.9	458.7	1929
Teak, >5	30-39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.3
	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	51.4
	50-59	0	0	7.1	0	0	0	7.1	0	0	0	0	0	0	0	30.4	402.2
	60-64	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0	33.1	234.6
	65-69	0	0	0	0.2	0	0	0.2	0	0	0	0	0	0	0	84.7	527.4
	70-74	0	0	17.8	0	0	0	17.8	0	0	0	0	0	0	0	15.8	66.7
	75-79	0	0	0	0	0	0	0	0	0	0	1.3	0	0	1.3	32.5	110.6
	80-84	0	0	30.7	0	0	0	30.7	0	0	0	0	0	0	0	18.1	67.9
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29.2	33
	92-93	0	0	0	3.3	0	0	3.3	0	0	0	0	0	0	0	39.9	138.6
	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	198.3
	n.a.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	3.9
	Total	0	0	55.6	3.6	0	0	59.2	0	0	0	1.3	0	0	1.3	317.9	1840.9

	Year	Patiya							Rangunia								Total
Species	Plntd	Dumuri	Elahab	Hashe	Silchari	Sonaic	Srimai	Total	Chiring	Kodala	Narisch	Pomar	Sarapb	Tripura	Total	n/a	
Teak, >8	40-49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.6	69.1
	50-59	0	0	0	0	0	0	0	100.3	0	0	0	0	0	100.3	75.4	655.8
	60-64	0	0	0.7	0	0	0	0.7	0	0	0	0	0	0	0	7.8	231.9
	65-69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32.9	282.8
	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.9	149.8
	75-79	0	0	6	0	0	0	6	0	0	0	3.8	20	0	23.8	126.9	367.7
	80-84	0	0	46.5	0	0	0	46.5	0	0	0.2	0	0	33.3	33.5	4.9	124.9
	85-89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.6	41.2
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.7
	92-93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.2	40
	94	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2.2	24.3
	Total	1	0	53.2	0	0	0	54.2	100.3	0	0.2	3.8	20	33.3	157.6	304.4	2003.2
Teak/Dh	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	118.3
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	118.3
Teak/Ga	50-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6	7
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6	7
Teak/Ga	80-84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1	69.8
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.1	69.8
Unidentif	70-74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130.8	202.3
	75-79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	103.5	513.2
	80-84	0	0	23.5	0	0	0	23.5	0	0	0	0	0	0	0	70.9	645.3
	90-91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6.3	40
	92-93	0	0	8.9	0	0	0	8.9	0	0	0	0	0	0	0	32.4	116.9
	94	0	0	19.7	0	0	0	19.7	7.4	0	0	39.4	0	0	46.8	110.4	299
	Total	0	0	52.1	0	0	0	52.1	7.4	0	0	39.4	0	0	46.8	454.3	1816.7
n.a.		860.1	935	691.4	1795.9	946.1	1176.8	6596.9	356.6	289.1	376	833.8	21.2	991.2	2867.9	226409	305712
Total		862	935	899	1806.2	946.1	1176.8	6816.7	477.4	289.1	435.3	900.1	41.2	1056	3199.1	231983	325383

Table 4. Summary of Tree Volumes (cu m/ha) by Stratum and Species Group, 20cm+dbh for Natural Forest and 15cm+dbh for Plantations(Chittagong Forest Division)

Stratum (Code)		Species Group							
		Special Class	Class A	Class B	Class C	Class D	All Species Groups	Sample size n	Sampling Error(%)
HF/GF (10)		1.79	16.01	6.33	2.41	17.18	43.73	84	15.4
LF (20)		0.50	2.47	1.05	0.18	6.52	10.73	165	16.3
ST/TB (30)		0.64	0.70	0.24	0.25	0.90	2.73	286	20.4
B/Bo/OB (40)		0	0	0	0	0.61	0.61	13	57.6
All Strata, Natural Forests		**0.76**	**3.49**	**1.38**	**0.57**	**4.68**	**10.87**	**548**	**10.9**
T/OT,1959 (50)		44.73	3.51	0.82	0	0.34	49.39	23	18.0
T/OT,60-79 (60)		17.81	3.53	0.23	0	0.05	21.61	58	16.7
T/OT,80+ (70/80)		2.26	0.68	0.14	0.01	0.17	3.26	60	39.8
Other LRS, 79 (90)		0.24	15.06	1.53	0	0.37	17.2	17	46.0
Other LRS, 80+(100)		0.70	1.36	0.19	0	0.02	2.27	41	41.4
All SRS (120)/(130)		0.50	0.16	0.22	0.22	0.03	1.14	52	48.9
Other Plantations (140)		0	0.15	0.28	0	0.46	0.89	8	31.1
Others: En,FP,Br, ...(150)		2.19	1.08	0.39	0.07	1.0	4.72	281	21.0
All Strata (Plantations) except 140&150		**8.63**	**2.76**	**0.38**	**0.05**	**0.12**	**11.94**	**251**	**11.6**

Table 4a. Summary of Tree Volumes (cu.m.) by Stratum and Species Group, 20cm+dbh for Natural Forest and 15cm+dbh for Plantations (Chittagong Forest Division)

Stratum (Code)	Area (in hectare	Species Group					
		Special Class	Class A	Class B	Class C	Class D	All Species Groups
HF/GF (10)	**9551.3**	17097	152916	60460	23019	164091	417678
LF (20)	**12671.9**	6336	31300	13305	2281	82621	135969
ST/TB (30)	**34157.3**	21861	23910	8198	8539	30742	93249
B/Bo/OB (40)	**3298.6**	0	0	0	0	2012	2012
All Strata, Natural Forests	**59679.1**	**45356**	**208280**	**82357**	**34017**	**279298**	**648712**
T/OT,1959 (50)	**1579.0**	70629	5542	1295	0	537	77987
T/OT,60-79 (60)	**2394.2**	42641	8452	551	0	120	51739
T/OT,80+ (70/80)	**3025.7**	6838	2057	424	30	514	9864
Other LRS, 79 (90)	**1263.2**	303	19024	1933	0	467	21727
Other LRS, 80+(100)	**2964.9**	2075	4032	563	0	59	6730
All SRS (120)/(130)	**3151.9**	1576	504	693	693	95	3593
All Strata (Plantations) except 1	**14378.8**	**124089**	**39685**	**5464**	**719**	**1725**	**171683**
Total Vol. in Chittagong FD, cu.	**74057.9**	**169445**	**247966**	**87821**	**34736**	**281024**	**820395**

Table 5. Summary of Estimates on Poles, Saplings and Seedlings by Stratum and Species Group (Number of stems/ha); Chittagong Forest Division

Stratum (Code)	Special Class	Class A	Class B	Class C	Class D	Total	SE%
Poles:							
HF/GF (10)	2.13	32.64	19.43	5.78	183.51	243.49	8.5
LF (20)	8.02	20.66	11.04	3.11	152.99	195.81	6.3
ST/TB (30)	10.18	20.65	18.71	4.91	62.29	116.74	9.9
B/BO/OB (4)	20.37	0	7.64	0	37.8	65.81	--
T/OT, 1959 (51,52)	153.57	41.2	2.12	3.09	99.29	299.28	--
T/OT, 1960-1979 (61,62,63)	150.91	5.99	7.9	0.00	81.7	256.5	13.7
T/OT, 1980+ (70,81,82)	138.39	117.9	19.42	1.29	76.07	353.08	11.9
Other LRS, 1979 (90)	11.54	19.45	4.77	0	60.48	269.24	--
Other LRS, 1980+ (101,102,103)	37.08	190.99	116.45	3.82	20.05	368.39	18.9
All SRS (120,131,132,133)	15.3	304.97	186.7	56.64	23.68	587.29	15.4
Other Plantations (140)	0	105.98	38.15	8.49	163.46	316.09	--
Others (150)	33.85	50.92	35.99	2.74	40.38	163.88	10.7
Saplings:							
HF/GF (10)	3.14	27.06	29.34	0	508.24	567.77	13.4
LF (20)	7.7	47.27	32.6	5.33	245.54	338.12	10.7
ST/TB (30)	13.02	25.35	14.79	0	163.92	217.07	11.6
B/BO/OB (4)	13.26	222.85	84.87	0	326.64	647.62	--
T/OT, 1959 (51,52)	81.84	48.14	13.29	0	255.59	398.86	--
T/OT, 1960-1979 (61,62,63)	25.62	19.9	15.1	0	179.82	40.44	--
T/OT, 1980+ (70,81,82)	152.03	107.05	18.89	11.47	280.29	569.73	14.6
Other LRS, 1979 (90)	9.95	89.57	29.86	0	104.5	233.88	--
Other LRS, 1980+ (101,102,103)	0	34.83	23.89	0	173.17	231.89	--
All SRS (120,131,132,133)	3.83	173.52	43.38	3.06	187.81	411.59	--
Other Plantations (140)	0	0	0	0	53.11	53.11	--
Others (150)	32.28	75.17	17.26	5.41	170.32	300.44	11.6
Seedlings:							
HF/GF (10)	8.38	134.12	46.08	8.38	1624.63	1821.59	18.1
LF (20)	42.6	166.16	31.95	4.26	523.03	768.00	19.0
ST/TB (30)	15.82	133.92	19.81	11.58	209.99	391.11	18.0
B/BO/OB (4)	255.04	594.08	0	0	169.74	1018.85	--
T/OT, 1959 (51,52)	53.07	106.23	0	0	345.32	504.62	--
T/OT, 1960-1979 (61,62,63)	146.42	203.15	13.73	0	86.02	449.31	--
T/OT, 1980+ (70,81,82)	153.83	241.99	10.8	0	529.32	935.93	18.1
Other LRS, 1979 (90)	99.5	265.39	79.62	0	567.28	1011.81	--
Other LRS, 1980+ (101,102,103)	19.91	35.83	0	0	298.57	354.3	--
All SRS (120,131,132,133)	0	145.96	60.22	15.31	346.01	567.5	--
Other Plantations (140)	0	176.73	0	0	318.65	495.38	--
Others (150)	76.24	177.14	21.62	13.5	180.66	469.16	14.2

Table 6. Comparison of Forest Statistics: !984 (FAO/UNDP BGD 75/071) and 1996 (FRMP) - Chittagong Forest Division

Statistics	Year	HF	GF	LF	ST	Bamboo	Total NF	T/OT 59	T/OT 60-79	T/OT 80+	OLRS 79	OLRS 80	SRS, all	YP 70+	FP	Total Plntns
Area, ha	1984	7456	510	22037	22468	--	52471	1211	2377	0	1913	0	in YP	6375	1347	13223
Area, ha	1996	9218	334	12672	34157	3299	59680	1579	2394	3025.7	1263	2695	3152	--	--	14109
No.Trees/ha	1984	85.1	46.6	57.6	28.2	--	40.2	220-630	470-1040	690-890	120-920	800-2280	--	590-2280	50-320	--
No.Trees/ha	1996	45.8	45.8	15.8	4.2	0.7	13.2	145.7	82.82	12.94	55.38	15.52	13.32	--	--	43.5
BA/ha, sq.m.	1984	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BA/ha, sq.m.	1996	4.79	4.79	1.4	0.43	0.14	1.32	8.95	3.38	0.84	5.21	0.46	0.4	--	--	2.36
Vol/ha, cu.m., 30-cm+dbh	1984	88.6	89.1	44.5	23.9	--	39.2	42.9-118.5	35.2-59.6	0	21.4-139.	0	--	--	--	--
SE%	1984	7.9	--	14.0	--	--	--	6.6-13.6	8.0-11.0	--	14.5-31.1	--	--	--	--	--
Vol/ha, cu.m.	1996	43.73	43.73	10.73	2.73	0.61	10.87	49.39	21.61	3.26	17.2	2.27	1.14	--	--	11.94
SE%	1996	15.4	15.4	16.3	20.4	--	10.9	18	16.7	--	--	--	--	--	--	11.6
Poles/ha, 10-29 cm dbh	1984	168.5	--	128.4	--	--	--	--	--	--	--	--	--	--	--	--
Poles/ha, 10-29 cm dbh	1996	108.12	108.12	77.2	29.84	1.7	50.86	--	--	--	--	--	--	--	--	--
Poles/ha, 5-10 cm dbh	1984	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Poles/ha, 5-10 cm dbh	1996	159.86	159.86	128.59	89.59	64.11	107.71	299.28	256.5	353.08	269.24	368.39	587.29	--	--	378.22
Seedlings & Saplings/ha	1984	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Seedlings & Saplings/ha	1996	2388	2388	1106	608.18	1666.47	1057.47	903.48	689.75	1505.66	1245.69	586.19	979.09	--	--	975.83
Bamboo:																
Muli, imm.stems/ha	1984	6860	0	9900	8730	--	4729	--	--	--	--	--	--	--	--	--
Muli,mat.stems/ha	1984	2520	0	4030	5680	--	2806	--	--	--	--	--	--	--	--	--
Others,imm.stems/ha	1984	4390	830	3920	3660	--	2215	--	--	--	--	--	--	--	--	--
Others,mat.stems/ha	1984	1780	420	1300	3930	--	1955	--	--	--	--	--	--	--	--	--
Bamboo:																
Muli, imm.stems/ha	1996	1602	1602	1984	1867	4732	1929.54	423	2732	1179	584	782	1074	--	--	3085
Muli,mat.stems/ha	1996	226	226	500	170	416	284	103	342	271	123	369	3	--	--	285
Others,imm.stems/ha	1996	3540	3540	3486	3568	0	3455	2247	3118	3563	1283	556	361	--	--	3883
Others,mat.stems/ha	1996	1119	1119	1242	810	0	969	232	653	904	109	115	24	--	--	836
Rattan:																
<3-m stems/ha	1984	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
>=3-m stems/ha	1984	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rattan:																
<3-m stems/ha	1996	0	0	20.22	17.94	0	15.45	79.66	41.16	0	0	43.77	0	--	--	35.28
>=3-m stems/ha	1996	0	0	0.85	0.36	0	0.44	0	0	0	0	3.82	0	--	--	0.79

Notes: 1984 NT/ha in natural forest includes only 30-cm+ dbh trees while the 1996 figure includes 20-cm+ dbh trees. In the case of the forest plantations, 1984 NT/ha includes all trees down to 4-cm dbh while the 1996 estimate starts at 15-cm dbh.
Poles in 1996 estimates for the plantations include 2.5 to 14.5-cm dbh while in the 1984 estimates these are included in NT estimates.

YP -- young plantations

Table 7. Calculation of the Effective Degrees of Freedom of the Volume Estimates

Natural Forest

Stratum	Nh	nh	SE%	Vol	S^2h	Gh	Gh*S^2h	Gh^2*(S^2h)^2/(nh-1)
10	9551.3	84	15.4	43.73	3809.603	1076488	4100992942	2.03E+17
20	12671.9	165	16.3	10.73	504.7294	960522.3	484803858	1.43E+15
30	34157.3	286	20.4	2.73	88.70573	4045287	358840149	4.52E+14
							4944636949	2.05E+17
						ne =	**120**	

Forest Plantations

Stratum	Nh	nh	SE%	Vol	S^2h	Gh	Gh*S^2h	Gh^2*(S^2h)^2/(nh-1)
50	1579	23	18	49.39	1817.82	106822.8	194184600	1.71E+15
60	2394.2	58	16.7	21.61	755.3887	96436.72	72847209.8	9.31E+13
70/80	3025.7	60	39.8	3.26	101.0073	149555.3	15106172	3.87E+12
90	1263.2	17	46	17.2	1064.196	92599.99	98544507	6.07E+14
100	2964.9	41	41.4	2.27	36.21064	211440.8	7656406.12	1.47E+12
120/130	3151.9	52	48.9	1.14	16.15961	187895.7	3036319.97	1.81E+11
							391375215	2.42E+15
						ne =	**63**	

APPENDIX 1

Field Data Enumeration Forms 1 and 2

BANGLADESH FRMP FOREST INVENTORY

1. ENUMERATION, NATURAL HILL FOREST

PLOT CLUSTER						LOCATION											NUMBER OF RECORDS									
NUMBER	LONGITUDE	LATITUDE	PLOT NUMBER	CONTROL	RECORD TYPE	DIVISION	RANGE	BEAT	BLOCK	LAND USE	FOREST TYPE	STAND CONDITION	PILFERAGE, NO. OF STUMPS	TERRAIN	SLOPE	ASPECT	SOIL TYPE	TREES/POLES	SEEDLINGS	SAPLINGS	RATTAN	BAMBOO	MEDICINAL PLANTS	CREW	DAY	MONTH	YEAR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
					1																						

2

5 1 3

4

ENUMERATOR: _____

CHECKER: _____

SHEET: _____ OF: _____

		r = 1m SEEDLINGS HT. < 1.5m			r = 2m SAPLINGS HT. > 1.3m OR DBH < 5.0 cm			RATTAN r = 2m: < 3.0m LONG r = 5m: > 3.0m LONG				r = 2m OTHER BAMBOO			r = 2m MEDICINAL PLANTS			r = 5m BAMBOO, SOLITARY STEMS				r = 5m POLES DBH = 5.0 -19.5 cm			r = 11m TREES DBH/DAB = 20.0+ cm	READINGS FOR BOLE & TREE HEIGHTS									
RECORD TYPE	CONSEC NUMBER	SPECIES	SPECIES CODE	NO. OF STEMS	SPECIES	SPECIES CODE	NO. OF STEMS	SPECIES	SPECIES CODE	<3.0 m LONG	>3.0 m LONG	SPECIES CODE	IMMATURE STEMS	MATURE STEMS	SPECIES	SPECIES CODE	NO. OF STEMS	SPECIES CODE	IMMATURE STEMS	MATURE STEMS	RECORD TYPE	CONSEC NUMBER	SPECIES	SPECIES CODE	DBH 0.1cm	SPECIES	SPECIES CODE	DBH or DAB 0.1 cm	BUTTRESS HEIGHT	DAMAGE	GRADE	INFESTATION	BOLE HEIGHT	TREE HEIGHT	HORIZONTAL DISTANCE	HEIGHT OF BASE	PERCENT TO BASE	PERCENT TO CROWN POINT	PERCENT TO TOP
10	11		12	13		12	14		12	15	16	12	17	18		12	19	12	20	21	10	11		12	13		12	13	14	15	16	17	18	19					
4	1																				2	1																
4	2																				2	2																
4	3																				2	3																
4	4																				2	4																
4	5																				2	5																
4	6																				2	6																
4	7																				2	7																
4	8																				2	8																
4	9																				2	9																
4	10																				2	10																
4	11																				2	11																
4	12																				2	12																
4	13																				2	13																
4	14																				2	14																
4	15																				2	15																
4	16																				2	16																
4	17																				2	17																
4	18																				2	18																
4	19																				2	19																
4	20																				2	20																
4	21																				2	21																
4	22																				2	22																
4	23																				2	23																
4	24																				2	24																
4	25																				2	25																

BANGLADESH FRMP FOREST INVENTORY

2. ENUMERATION, FOREST PLANTATIONS (HILL FOREST)

PLOT CLUSTER NUMBER	LONGITUDE	LATITUDE	PLOT NUMBER	CONTROL	RECORD TYPE	LOCATION: DIVISION	RANGE	BEAT	BLOCK	LAND USE	FOREST TYPE	STAND CONDITION	PILFERAGE, NO. OF STUMPS	YEAR PLANTED	TERRAIN	SLOPE	ASPECT	SOIL TYPE	NUMBER OF RECORDS: TREES/POLES	SEEDLINGS	SAPLINGS	RATTAN	BAMBOO	MEDICINAL PLANTS	CREW	DAY	MONTH	YEAR
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
					1																							

ENUMERATOR: _____

CHECKER: _____

SHEET: _____ OF: _____

RECORD TYPE	CONSEC NUMBER	r = 1m SEEDLINGS HT. < 1.5 m: SPECIES	SPECIES CODE	NO. OF STEMS	r = 2m SAPLINGS HT. > 1.5 m OR DBH < 2.5 cm: SPECIES	SPECIES CODE	NO. OF STEMS	RATTAN r = 2m. < 3.0m LONG, r = 5m. > 3.0m LONG: SPECIES	SPECIES CODE	< 3.0 m LONG	> 3.0 m LONG	r = 2m OTHER BAMBOO: SPECIES CODE	IMMATURE STEMS	MATURE STEMS	r = 2m MEDICINAL PLANTS: SPECIES	SPECIES CODE	NO. OF STEMS	r = 5m, BAMBOO SOLITARY STEMS, r = 11m, BAMBOO CLUMPS: SPECIES CODE	IMMATURE STEMS	MATURE STEMS	RECORD TYPE	CONSEC NUMBER	r = 5m POLES DBH = 2.5 -14.5 cm: SPECIES	SPECIES CODE	DBH 0.1 cm	r = 11m TREES DBH/DAB = 15.0 + cm: SPECIES	SPECIES CODE	DBH or DAB 0.1 cm	BUTTRESS HEIGHT	DAMAGE	GRADE	INFESTATION	BOLE HEIGHT	TREE HEIGHT	READINGS FOR BOLE & TREE HEIGHTS: HORIZONTAL DISTANCE	HEIGHT OF BASE	PERCENT TO BASE	PERCENT TO CROWN POINT	PERCENT TO TOP
10	11		12	13		12	14		12	15	16	12	17	18		12	19	12	20	21	10	11		12	13		12	19	14	15	16	17	18	19					
4	1																				3	1																
4	2																				3	2																
4	3																				3	3																
4	4																				3	4																
4	5																				3	5																
4	6																				3	6																
4	7																				3	7																
4	8																				3	8																
4	9																				3	9																
4	10																				3	10																
4	11																				3	11																
4	12																				3	12																
4	13																				3	13																
4	14																				3	14																
4	15																				3	15																
4	16																				3	16																
4	17																				3	17																
4	18																				3	18																
4	19																				3	19																
4	20																				3	20																
4	21																				3	21																
4	22																				3	22																
4	23																				3	23																
4	24																				3	24																
4	25																				3	25																

APPENDIX 2

Plot and Tree Description Codes

PLOT/TREE DESCRIPTION CODES

(Hill Forests)

Land Use Category

1	Tidal forest
2	Coastal forest
3	Natural hill forest
4	Forest plantation
5	Bush/shrubland
6	Fruit/other trees
7	Agriculture
8	No vegetation
9	Settlement
10	Others

Forest Type

1	Mangrove forest
2	Nipa forest
3	Coastal forest
4	Natural hill forest
5	Bamboo forest
6	Forest plantation

Stand Condition:

Natural (hill) forest

1	Well-stocked (at least 50% crown cover)
2	Poorly stocked (<50% crown cover)

Bamboo forest

1	Newly harvested
2	Harvested, more than one year ago

Forest plantations

1	Well-stocked (at least 50% crown cover or of original stocking)
2	Poorly stocked(<50% crown cover or of original stocking)
3	Failure
4	Destroyed by fire

Terrain

0	Flat or undulating (0-10% slope)
1	Lowland gully
2	Lower slope of mould (lower part of sloping terrain)
3	Mid-slope (middle part of sloping terrain)
4	Upper slope (upper part of sloping terrain)
5	Slope gully
6	Hill top
7	Ridge

Slope

0	0 to 8%
1	9 to 15%
2	16 to 25%
3	26 to 45%
4	40 to 70%
5	71 to 100%
6	>100%

Aspect

0	Flat and undulating (0 to 10% slope)
1	N, azimuth 338 to 22 degrees
2	NE, 23 to 67 degrees
3	E, 68 to 112 degrees
4	SE, 113 to 157 degrees
5	S, 158 to 202 degrees
6	SW, 203 to 247 degrees
7	W. 248 to 292 degrees
8	NW, 293 to 337 degrees

Soil type

0	Clay
1	Clay loam
2	Loam
3	Sandy
4	Sandy loam

Tree grade

1	Straight and clean without damage, circular cross-section, apparently sound
2	Similar to 1 but up to half of surface is knotty or cross-section is irregular, or with slight sweep
3	Twisted and knotty, or with other defects which reduce usable volume by up to 25%, such as rot, burn, physical damage, forks or bends
4	Very knotty and bent, or with defects which reduce usable volume by up to 25 to 50%
5	Reject, with such defects that only less than 50% of volume is usable

Damage

0	No damage
1	Slight damage, tree will survive
2	Heavy damage, tree will die
3	Uprooted
4	Felled
5	Broken
6	Dead

Infestation

0	No infestation
1	Insect infestation
2	Climbed by rattan
3	Slightly infested with climbers
4	Severely infested with climbers
5	Infested with mistletoe (Loranthus sp.)
6	Others

PLOT/TREE DESCRIPTION CODES
(Mangrove Forest and Coastal Plantations)

Land use category

1 Tidal forest

2 Coastal forest

3 Natural hill forest

4 Forest plantation

5 Bush/shrubland

6 Fruit/other trees

7 Agriculture

8 No vegetation

9 Settlement

10 Others

Forest type

1 Mangrove forest

2 Nipa forest

3 Coastal forest

6 Forest plantation

Stand Condition:

Mangrove forest

1 Harvested, less than 5 years ago

2 Harvested, 5 or more years ago

Nipa forest

1 Newly harvested

2 Harvested, more than one year ago

3 Cleared

Forest plantations

1 Well-stocked (at least 50% crown cover or of original stocking)

2 Poorly stocked (< 50% crown cover or of original stocking)

3 Failure

4 Destroyed by fire

5 Eroded

6 Encroached

7 Handed over to Revenue Department

Damage

0	No damage
1	Slight damage, tree will survive
2	Heavy damage, tree will die
3	Uprooted
4	Felled
5	Broken
6	Dead

Infestation

0	No infestation
1	Insect infestation
2	Climbed by rattan
3	Slightly infested with climbers
4	Severely infested with climbers
5	Infested with mistletoe (Loranthus sp.)
6	"Top dying" (die-back)
7	Others

Tree grade

1	Straight and clean without damage, circular cross-section, apparently sound
2	Similar to 1 but up to half of surface is knotty or cross-section is irregular, or with slight sweep
3	Twisted and knotty, or with other defects which reduce usable volume by up to 25%, such as rot, burn, physical damage, forks or bends
4	Very knotty and bent, or with defects which reduce usable volume by up to 25 to 50%
5	Reject, with such defects that only less than 50% of volume is usable

APPENDIX 3

Species Codes

List of Forest Species, Codes and Commercial Class

Hill Forests:

	Vernacular Name	Botanical Name	Code Name	Code No.	Commercial Group/Class
Trees:					
1.	Agar	*Aquilaria agallocha*	AG	100	5
2.	Am	*Mangifera indica*	AM	101	5
3.	Am-Chundal/Civit	*Swintonia floribunda*	CI	102	3
4.	Amora	*Spondias mangifera*	AR	103	5
5.	Arjan/Arjun	*Polyalthia simiarum*	AJ	104	4
6.	Arsol/Awal/Goda/ Hornia	*Vitex spp.*	AW	105	3
7.	Australian Acacia	*Acacia auricoliformis*	AA	106	2
8.	Bahera	*Terminalia belerica*	BH	107	4
9.	Baittya/Garjan	*Dipterocarpus spp.*	GJ	108	2
10.	Banderhola/Kacha	*Duabanga grandiflora*	BD	109	2
11.	Batana/Batna	*Quercus spp./ Castanopsis tribuloides*	BT	110	5
12.	Bhadi/Jiulbhadi	*Lannea coromandelica*	BI	111	3
13.	Boilam/Boilsur	*Anisoptera glabra*	BM	112	1
14.	Bokain/Ghoranim	*Melia sempervirens/ Melia azaderach*	BK	113	3
15.	Bonak/Kanak	*Schima wallichii*	BN	114	4
16.	Cashew	*Anacardium occidentale*	CW	115	5
17.	Chakua/ Chakkua-Korai	*Albizzia chinensis*	CK	116	5
18.	Cham/Chapalish	*Artocarpus chapasha*	CP	117	2
19.	Champa/Champa-ful	*Michelia champaca*	CM	118	1
20.	Chapalish/Cham	*Artocarpus chapasha*	CP	117	2
21.	Chatim/Chhatian	*Alstonia scholaris*	CT	119	3
22.	Chikrassi	*Chickrassia tabularis*	CS	120	1
23.	Chundul/Mainakat	*Tetrameles nudiflora*	MK	121	3
24.	Civit/Am-Chundal	*Swintonia floribunda*	CI	102	3
25.	Dhakijam	*Syzygium grande*	DK	122	3
26.	Dharmara/Kamrang	*Stereospermum personatum*	DR	123	5
27.	Dudya/Tali	*Palaquium polyanthum*	DD	124	3
28.	Eucalyptus	*Eucalyptus spp.*	EU	125	3
29.	Gamar/Gamari	*Gmelina arborea*	GM	126	2
30.	Garjan/Baittya	*Dipterocarpus spp.*	GJ	108	2
31.	Ghoranim/Bokain	*Melia sempervirens/ Melia azaderach*	BK	113	3
32.	Goda/Hornia/ Arsol/Awal	*Vitex spp.*	AW	105	3
33.	Hargaza	*Dillenia pentagyna*	HG	127	4
34.	Hari/Jhaw	*Casuarina equisetifolia*	JW	128	5
35.	Haritaki	*Terminalia chebula*	HR	129	4
36.	Hijal	*Barringtonia acutangula*	HJ	130	5
37.	Hornia/Goda Arsol/Awal	*Vitex spp.*	AW	105	3
38.	Ipil-ipil	*Leucaena leucocephala*	IP	131	5
39.	Jam	*Syzygium spp.*	JM	132	2
40.	Jarul/Kanta Jarul	*Lagerstroemia speciosa*	JR	133	2
41.	Jhaw/Hari	*Casuarina equisetifolia*	JW	128	5

42.	Jiulbhadi/Bhadi	*Lannea coromandelica*	BI	111	3
43.	Kacha/Banderhola	*Duabanga grandiflora*	BD	109	2
44.	Kadam	*Anthocephalus cadamba*	KD	134	3
45.	Kainjal/Lohabhadi	*Bischofia javanica*	KJ	135	3
46.	Kala Koroi/Siris	*Albizzia lebbek*	KK	136	3
47.	Kamrang/Dharmara	*Stereospermum personatum*	DR	123	5
48.	Kanak-Cuampa/Moos	*Pterospermum acerifolium*	MS	137	5
49.	Kathal	*Artocarpus intergrifolia*	KT	138	2
50.	Khoirjam	*Eugenia barringtonii*	KM	139	3
51.	Kanta Jarul/Jarul	*Lagerstroemia speciosa*	JR	133	2
52.	Koroi	*Albizzia procera*	KO	140	2
53.	Kosturi/Tejbohal	*Cinnamomum cecidodaphne*	KS	141	5
54.	Kusum/Jaina	*Schleichera oleosa*	KU	142	5
55.	Lohabhadi/Kainjal	*Bischofia javanica*	KJ	135	3
56.	Lohakat/Pynkado	*Xylia dolabriformis*	LK	143	2
57.	Mahogany/Mehogini	*Swietenia spp.*	ME	144	1
58.	Mainakat/Chundul	*Tetrameles nudiflora*	MK	121	3
59.	Mangium	*Acacia mangium*	MG	145	4
60.	Mehogini/Mahogany	*Swietenia spp.*	ME	144	1
61.	Minjiri	*Cassia siamea*	MJ	146	5
62.	Moluccana	*Paraserianthes falcataria*	MO	147	3
63.	Monawal	*Vitex altissima*	MN	148	5
64.	Moos/Kanak-Cuampa	*Pterospermum acerifolium*	MS	137	5
65.	Nageswar/Nagkesar	*Mesua ferrea*	NS	149	2
66.	Narikel/Narikeli	*Pterygota alata*	NK	150	3
67.	Padauk	*Pterocarpus dalbergiodes*	PD	151	1
68.	Pine	*Pinus carribea*	PI	152	5
69.	Pitali	*Trewia nudiflora*	PL	153	3
70.	Pitraj	*Aphanamixis polystachya*	PT	154	2
71.	Pynkado/Lohakat	*Xylia dolabriformis*	LK	143	2
72.	Raktan/Sheradong	*Lophopetalum fimbriatum*	SH	155	3
73.	Rangkat/Haldu	*Adina cardifolia*	RK	156	2
74.	Rata	*Amoora wallichii*	RA	157	5
75.	Sal	*Shorea robusta*	SL	158	2
76.	Shagwan/Shegun/Teak	*Tectona grandis*	TE	159	1
77.	Sheradong/Raktan	*Lophopetalum fimbriatum*	SH	155	3
78.	Shishu	*Dalbergia sisso*	SI	160	1
79.	Shourala/Sonalu	*Cassia fistula*	SR	161	5
80.	Simul/Tula	*Salmania spp.*	SM	162	3
81.	Siris/Kala Koroi	*Albizzia lebbek*	KK	136	3
82.	Sonalu/Shourala	*Cassia fistula*	SR	161	5
83.	Suruj/Toon	*Cedrela toona*	TO	163	2
84.	Tali/Dudya	*Palaquium polyanthum*	DD	124	3
85.	Teak/Shegun/ Shagwan	*Tectona grandis*	TE	159	1
86.	Telsur/Tersol	*Hopea odorata*	TS	164	1
87.	Tetuya koroi	*Albizzia odoratissima*	TY	165	5
88.	Tejbohal/Kosturi	*Cinnamomum cecidodaphne*	KS	141	5
89.	Toon/Suruj	*Cedrela toona*	TO	163	2
90.	Udal	*Firmiana colorata/ Sterculia spp.*	UD	166	5
91.	Uriam	*Mangifera sylvatica*	UR	167	3
92.	Dhali Garjan	*Dipterocarpus gracilis*	DG	168	2
93.	Baita Garjan	*Dipterocarpus costatus*	BG	169	2
94.	Teli Garjan	*Dipterocarpus turbinatus*	TG	170	2

95.	Kamdeb	*Callophyllum polyanthum*	KA	171	3
96.	Banspata	*Podocarpus nerlifolia*	BA	172	3
97.	Chalmugra	*Gynocardia odorata*	CH	173	4
98.	Miscellaneous/Unknown tree species		UN	199	5

Forest Species: Sundarbans and Coastal Divisions

	Vernacular Name	Botanical Name	Code Name	Code No.	Commercial Group/Class
Trees:					
1.	Amur	*Amoora cucullata*	AU	201	5
2.	Babul	*Acacia nilotica*	BB	202	5
3.	Baen	*Avicennia officinalis*	BA	203	5
4.	Ban jam	*Eugenia fruticosa*	BJ	204	5
5.	Batla/Batul	*Excoecaria indica*	BL	205	5
6.	Bhaela/Baral	*Intsia bijuga*	BE	206	5
7.	Bhola	*Hibiscus tiliaceus*	BO	207	5
8.	Bon Lichu	*Lepisanthes rubiginosa*	BC	208	5
9.	Bon Notoy	*Mallotus repandus*	BY	209	5
10.	Choyla/Ora/Soyla	*Sonneratia caseolaris*	CY	210	5
11.	Dhundul	*Xylocarpus granatum*	DN	211	5
12.	Doyal	*Mucuna gigantea*	DY	212	5
13.	Gab	*Diospyros peregrina*	GB	213	5
14.	Garjan/Jhanna	*Rhizophora mucronata*	JN	214	5
15.	Gewa	*Excoecaria agallocha*	GW	215	3
16.	Goran	*Ceriops decandra*	GN	216	5
17.	Jhanna/Garjan	*Rhizophora mucronata*	JN	214	5
18.	Jhao	*Tamarix indica*	JA	217	5
19.	Jir	*Ficus sp.*	JI	218	5
20.	Kankra	*Bruguiera gymnorhiza*	KA	219	5
21.	Karanj/Karanja	*Pongamia pinnata*	KR	220	5
22.	Keora	*Sonneratia apetala*	KE	221	4
23.	Khalisha/Khalshi/ Khulsha	*Aegiceras corniculatum*	KC	222	5
24.	Kirpa/Kripa	*Lumnitzera racemosa*	KP	223	5
25.	Ora/Choyla/Soyla	*Sonneratia caseolaris*	CY	210	5
26.	Passur	*Xylocarpus mekongensis*	PS	224	5
27.	Sadda Baen/ White Baen	*Avicennia alba*	SB	225	5
28.	Shingra	*Cynometra ramiflora*	SG	226	5
29.	Sitka/Sitki	*Clerodendrum inerme*	SK	227	5
30.	Sundri	*Heritiera fomes*	SU	228	3
31.	Sundri Lota	*Brownlowia tersa*	SL	229	5
32.	White Baen/ Sadda Baen	*Avicennia alba*	SB	225	5
33.	Miscellaneous/Unknown species			UM 299	5

Legend:

1 - Special Class
2 - Class A
3 - Class B
4 - Class C
5 - Class D

Bamboos:

1.	Bariala Bans	*Bambusa vulgaris*	BR	301
2.	Bazali Bans	*Teinostachyum griffitbii*	BZ	302
3.	Choitoya/Muli Bans	*Molocanna bambusoides*	MU	303
4.	Daloo Bans/Dalu	*MNeohouzeana(?) or Teinostachyum(?) dulloa*	DA	304
5.	Daral (climbing)	*Melocalamus compactiflorus*	DL	305
6.	Kali Bans	*Oxytenanthera nigrocilinta*	KB	306
7.	Kaligoda	*Bambusa tulda* (probably)	KG	307
6.	Kaliserri Bans	*Oxytenanthera auriculatam*	KI	308
7.	Khang/Orah Bans	*Dendrocalamus longispathus*	KH	309
8.	Mitenga Bans/ Mirtinga	*Bambusa tulda*	MI	310
9.	Muli/Choitoya Bans	*Molocanna bambusoides*	MU	303
10.	Orah Bans/Khang	*Dendrocalamus longispathus*	KH	309
11.	Parua	*Bambusa teres* (probably)	PR	311
12.	Pecha	*Dendrocalamus hamiltonii*	PC	312
13.	Rupahi	*Dendrocalamus longispathus* (?)	RU	313
14.	Miscellaneous/Unknown species		UB	399

Rattans/Canes:

1.	Galla	*Daemonorops jenkinianus*	GA	401
2.	Horna	*Calamus latifolius*	HO	402
3.	Jalli	*Calamus tenuis*	JL	403
4.	Sundi	*Calamus guruba*	SD	404

Palm:

1.	Golpatta	*Nypa fruticans*	GP	290

APPENDIX 4

Structure and Specifications of Data Entry/Validation Tables

Structure of Data Entry Table (with DEVP and final validation criteria) for Natural Forest: Enumeration Form 1

No	Field Name	Variable Name	Type	Width	Dec'l Pt.	Technical Specifications DEVP	Final
1	Data form	AFORM	C	1	0	=1, 2 or 3	=1
2	Plot cluster number	APCN	C	4	0	=001 to 1300	=001 to 1300
3	Longitude: degrees	ALONGDEG	C	2	0	=88 to 93	See Table A2-4
4	Lon: minutes	ALONGMIN	C	2	0	=0 to 59	=0 to 59
5	Lon: seconds	ALONGSEC	C	2	0	=0 to 59	=0,10,20,30,40,50
6	Latitude: degrees	ALATDEG	C	2	0	=20 to 27	See Table A2-4
7	Lat: minutes	ALATMIN	C	2	0	=0 to 59	=0 to 59
8	Lat: seconds	ALATSEC	C	2	0	=0 to 59	=0,10,20,30,40,50
9	Plot No.	APLOTNO	C	2	0	=1 to 5	=1,2,3,4 or 5
10	Control	ACONTROL	C	1	0	=0 or 1	=0 or 1
11	Record type1	ARECTYPE1	C	1	0	=1 to 6	=1
12	Division	ADIVISION	C	2	0	=1 to 30	See Table A2-5
13	Range	ARANGE	C	2	0	=1 to 50	See Table A2-5
14	Beat	ABEAT	C	2	0	=1 to 99	See Table A2-5
15	Block	ABLOCK	C	3	0	=1 to 500	=1 to 50
16	Land use category	ALUSEC	C	1	0	=1 to 9	=3, or 5,6,7,8 or 9
17	Forest type	AFOTY	C	1	0	=1 to 6	=4 or 5
18	Stand condition	ASTCO	C	1	0	=1 or 2	=1 or 2
19	Pilferage: no. of stumps	APILNOS	C	2	0	=0 to 30	=0 to 30
20	Terrain	ATERRAIN	C	1	0	=0 to 7	=0 to 7
21	Slope	ASLOPE	C	1	0	=0 to 6	=0 to 6
22	Aspect	AASPECT	C	1	0	=0 to 8	=0 to 8
23	Soil type	ASOTY	C	1	0	=0 to 4	=0 to 4
24	No. of records (NR): trees/poles	ANORETP	C	2	0	= 0 to 50	= 0 to 50
25	NR:seedlings	ANRSEED	C	2	0	=0 to 30	=0 to 30
26	NR: saplings	ANRSAP	C	2	0	=0 to 20	=0 to 20
27	NR: rattan	ANRRAT	C	2	0	=0 to 20	=0 to 20
28	NR: bamboo	ANRBAM	C	2	0	=0 to 20	=0 to 20
29	NR:medicinal plants	ANRMED	C	2	0	=0 to 50	=0 to 50
30	Crew No.	ACREWNUM	C	2	0	=0 to 30	=0 to 30
31	Date: day	ADAY	C	2	0	=1 to 31	=1 to 31
32	Date: month	AMONTH	C	2	0	=1 to 12	=1 to 12
33	Date: year	AYEAR	C	2	0	=95 to 98	=95 to 98

34	Invalid subplot(IS): seedlings	AISSE	C	1	0	=0	=0 or 1
35	IS: saplings	AISSA	C	1	0	=0	=0 or 1
36	IS:rattan<3m	AISRL3	C	1	0	=0	=0 or 1
37	IS:rattan>=3	AISRG3	C	1	0	=0	=0 or 1
38	IS: OB	AISOB	C	1	0	=0	=0 or 1
39	IS: med. plts.	AISMP	C	1	0	=0	=0 or 1
40	IS: SSB	AISSSB	C	1	0	=0	=0 or 1
41	IS: poles	AISPOLES	C	1	0	=0	=0 or 1
42	IS: trees	AISTREES	C	1	0	=0	=0 or 1
43	Record type2	ARECTYPE2	C	1	0	=1 to 6	=4
44	Consecutive number 1	ACONSNUM1	C	2	0	=1 to 50	=1 to 50
45	Species code: seedlings	ASCSEED	C	3	0	=100 to 299	=100 to 199
46	No. of stems: seedlings	ANSSEED	C	2	0	=0 to 20	=0 to 20
47	SC: saplings	ASCSAP	C	3	0	=100 to 299	=100 to 199
48	NS: saplings	ANSSAP	C	2	0	=0 to 20	=0 to 20
49	SC: rattan	ASCRAT	C	3	0	=401 to 409	=401 to 409
50	NS: rattan < 3.0m	ANSRATLT3	C	2	0	=0 to 50	=0 to 50
51	NS: rattan =or> 3.0m	ANSRATEG3	C	2	0	=0 to 99	=0 to 99
52	SC: other bamboo (OB)	ASCOB	C	3	0	=301 to 399; not 301/303	=302 to 399; but not 303
53	NS: immature stems, OB	ANSISOB	C	2	0	=0 to 99	=0 to 99
54	NS: mature stems, OB	ANSMSOB	C	2	0	=0 to 99	=0 to 99
55	SC: medicinal plants	ASCMED	C	3	0	=100 to 409	=100 to 409
56	NS: medicinal plants	ANSMED	C	2	0	=0 to 99	=0 to 99
57	SC: solitary stem bamboo (SSB)	ASCSSB	C	3	0	=303	=303
58	NS: immature stems, SSB	ANSISSSB	C	3	0	=0 to 200	=0 to 200
59	NS: mature stems, SSB	ANSMSSSB	C	3	0	=0 to 200	=0 to 200
60	Record type3	ARECTYPE3	C	1	0	=2, 3 or 5	=2

61	Consecutive number 2	ACONSNUM2	C	2	0	=1 to 50	=1 to 50
62	SC: poles	ASCPOLES	C	3	0	=100 to 299	=100 to 199
63	DBH: poles	ADBHPOLES	N	4	1	=2.5 to 19.5	=5.0 to 19.5
64	SC: trees	ASCTREES	C	3	0	=100 to 299	=100 to 199
65	DBH/DAB: trees	ADBHTREES	N	5	1	=14.6 to 120.0	=20.0 to 120.0
66	Buttress height	AHTBUT	N	3	1	=1.1 to 8.0	=1.1 to 8.0
67	Damage	ADAMAGE	C	1	0	=0 to 6	=0 to 6
68	Grade	AGRADE	C	1	0	=1 to 5	=1 to 5
69	Infestation	AINFEST	C	1	0	=0 to 6	=0 to 5
70	Bole height	ABOLEHT	N	4	1	=0.5 to 40.0	=0.5 to 40.0
71	Tree height	ATREEHT	N	4	1	=4.0 to 50.0	=4.0 to 50.0
72	Hor. distance	AHORDIS	N	4	1	=5.0 to 40.0	=5.0 to 40.0
73	Height of base	AHTBASE	N	3	1	=0.0 to 3.0	=0.0 to 3.0
74	Percent to base	APCTB	C	3	0	=0 or (+ or -) 1 to 30%	=0 or (+ or -) 1 to 30%
75	Percent to crown point	APCTCP	C	3	0	=0 or (= or -) 1 to 150%	=0 or (= or -) 1 to 150%
76	Percent to top	APCTTOP	C	3	0	=0 or (+ or -) 1 to 150%	=0 or (+ or -) 1 to 150%

C - Character

N - Numeric

Structure of Data Entry Table (with DEVP and final validation criteria) for Hill Forest Plantations: Enumeration Form 2

No	Field Name	Variable Name	Type	Width	Dec'l Pt.	Technical DEVP	Specifications Final
1	Data form	BFORM	C	1	0	=1, 2 or 3	=2
2	Plot cluster number	BPCN	C	4	0	=001 to 1300	=001 to 1300
3	Longitude: degrees	BLONGDEG	C	2	0	=88 to 93	See Table A2-4
4	Lon: minutes	BLONGMIN	C	2	0	=0 to 59	=0 to 59
5	Lon: seconds	BLONGSEC	C	2	0	=0 to 59	=0,10,20,30,40,50
6	Latitude: degrees	BLATDEG	C	2	0	=20 to 27	See Table A2-4
7	Lat: minutes	BLATMIN	C	2	0	=0 to 59	=0 to 59
8	Lat: seconds	BLATSEC	C	2	0	=0 to 59	=0,10,20,30,40,50
9	Plot No.	BPLOTNO	C	2	0	=1 to 5	=1,2,3,4 or 5
10	Control	BCONTROL	C	1	0	=0 or 1	=0 or 1
11	Record type1	BRECTYPE1	C	1	0	=1 to 6	=1
12	Division	BDIVISION	C	2	0	=1 to 30	See Table A2-5
13	Range	BRANGE	C	2	0	=1 to 50	See Table A2-5
14	Beat	BBEAT	C	2	0	=1 to 99	See Table A2-5
15	Block	BBLOCK	C	3	0	=1 to 500	=1 to 50
16	Land use category	BLUSEC	C	1	0	=1 to 9	=1 to 9 but not 3
17	Forest type	BFOTY	C	1	0	=1 to 6	=6
18	Stand condition	BSTCO	C	1	0	=1 or 2	=1 or 2, if bamboo; =1 to 4, otherwise
19	Pilferage: no. of stumps	BPILNOS	C	2	0	=0 to 30	=0 to 30
20	Year planted	BYEARP	C	2	0	=0 to 97	=0 to 97
21	Terrain	BTERRAIN	C	1	0	=0 to 7	=0 to 7
22	Slope	BSLOPE	C	1	0	=0 to 6	=0 to 6
23	Aspect	BASPECT	C	1	0	=0 to 8	=0 to 8
24	Soil type	BSOTY	C	1	0	=0 to 4	=0 to 4
25	No. of records (NR): trees/poles	BNORETP	C	2	0	= 0 to 50	= 0 to 50
26	NR:seedlings	BNRSEED	C	2	0	=0 to 30	=0 to 30
27	NR: saplings	BNRSAP	C	2	0	=0 to 20	=0 to 20
28	NR: rattan	BNRRAT	C	2	0	=0 to 20	=0 to 20
29	NR: bamboo	BNRBAM	C	2	0	=0 to 20	=0 to 20
30	NR:medicinal plants	BNRMED	C	2	0	=0 to 50	=0 to 50
31	Crew number	BCREWNUM	C	2	0	=0 to 30	=0 to 30
32	Date: day	BDAY	C	2	0	=1 to 31	=1 to 31
33	Date: month	BMONTH	C	2	0	=1 to 12	=1 to 12
34	Date: year	BYEAR	C	2	0	=95 to 98	=95 to 98

35	Invalid subplot (IS): seedlings	BISSE	C	1	0	=0	=0 or 1
36	IS: saplings	BISSA	C	1	0	=0	=0 or 1
37	IS:rattan<3m	BISRAL3	C	1	0	=0	=0 or 1
38	IS:rattan>=3	BISRAG3	C	1	0	=0	=0 or 1
39	IS: OB	BISOB	C	1	0	=0	=0 or 1
40	IS: med. plts.	BISMP	C	1	0	=0	=0 or 1
41	IS: SSB	BISSSB	C	1	0	=0	=0 or 1
42	IS: plntn B	BISPB	C	1	0	=0	=0 or 1
43	IS: poles	BISPOLES	C	1	0	=0	=0 or 1
44	IS: trees	BISTREES	C	1	0	=0	=0 or 1
45	Record type2	BRECTYPE2	C	1	0	=1 to 6	=4
46	Consecutive number 1	BCONSNUM1	C	1	0	=1 to 50	=1 to 50
47	Species code: seedlings	BSCSEED	C	1	0	=100 to 299	100 to 299
48	No. of stems: seedlings	BNSSEED	C	2	0	=0 to 20	=0 to 20
49	SC: saplings	BSCSAP	C	3	0	=100 to 299	=100 to 199
50	NS: saplings	BNSSAP	C	2	0	=0 to 20	=0 to 20
51	SC: rattan	BSCRAT	C	3	0	=401 to 409	=401 to 409
52	NS: rattan < 3.0m	BNSRATLT3	C	2	0	=0 to 50	=0 to 50
53	NS: rattan =or> 3.0m	BNSRATEG3	C	2	0	=0 to 99	=0 to 99
54	SC: other bamboo (OB)	BSCOB	C	3	0	=301 to 399; not 301/303	=302 to 399; but not 303
55	NS: immature stems, OB	BNSISOB	C	2	0	=0 to 99	=0 to 99
56	NS: mature stems, OB	BNSMSOB	C	2	0	=0 to 99	=0 to 99
57	SC: medicinal plants	BSCMED	C	3	0	=100 to 409	=100 to 409
58	NS: medicinal plants	BNSMED	C	2	0	=0 to 99	=0 to 99
59	SC: solitary stem bamboo (SSB)	BSCSSB	C	3	0	=303	=303
60	NS: immature stems, SSB	BNSISSSB	C	3	0	=0 to 200	=0 to 200
61	NS: mature stems, SSB	BNSMSSSB	C	3	0	=0 to 200	=0 to 200
62	SC: plant'n bamboo (PB)	BSCPB	C	3	0	=301	=301

63	NS: immature stems, PB	BNSISPB	C	3	0	=0 to 99	=0 to 99
64	NS: mature stems,PB	BNSMSPB	C	3	0	=0 to 99	=0 to 99
65	Record type3	BRECTYPE3	C	1	0	=2, 3 or 5	=3
66	Consecutive number 2	BCONSNUM2	C	2	0	=1 to 50	=1 to 50
67	SC: poles	BSCPOLES	C	3	0	=100 to 299	=100 to 199
68	DBH: poles	BDBHPOLES	N	4	1	=2.5 to 19.5	=2.5 to 14.5
69	SC: trees	BSCTREES	C	3	0	=100 to 299	=100 to 199
70	DBH/DAB: trees	BDBHTREES	N	5	1	=14.6 to 120.0	=14.6 to 120.0
71	Buttress ht.	BHTBUT	N	3	1	=1.1 to 8.0	=1.1 to 8.0
72	Damage	BDAMAGE	C	1	0	=0 to 6	=0 to 6
73	Grade	BGRADE	C	1	0	=1 to 5	=1 to 5
74	Infestation	BINFEST	C	1	0	=0 to 6	=0 to 5
75	Bole height	BBOLEHT	N	4	1	=0.5 to 40.0	=0.5 to 40.0
76	Tree height	BTREEHT	N	4	1	=4.0 to 50.0	=4.0 to 50.0
77	Hor. distance	BHORDIS	N	4	1	=5.0 to 40.0	=5.0 to 40.0
78	Height of base	BHTBASE	N	3	1	=0.0 to 3.0	=0.0 to 3.0
79	Percent to base	BPCTB	C	3	0	=0 or (+ or -) 1 to 30%	=0 or (+ or -) 1 to 30%
80	Percent to crown point	BPCTCP	C	3	0	=0 or (= or -) 1 to 150%	=0 or (= or -) 1 to 150%
81	Percent to top	BPCTTOP	C	3	0	=0 or (+ or -) 1 to 150%	=0 or (+ or -) 1 to 150%

C - Character

N - Numeric

APPENDIX 5

Range and Beat Codes

Forest Division/Range/Beat Codes

HILL FOREST DIVISIONS

DIVISION	CODE	RANGE	CODE	BEAT	CODE
Sylhet	11	Juri	1	Sagarnal	1
				Ragna	2
				Putichara	3
				Barlekha	4
				Somanbag	5
				Lathitila	6
				Madhabchara	7
		Moulavi Bazar	2	Lawachara	1
				Chautali	2
				Kalachara	3
				Moulavibazar	4
				Satgoon	5
		Rajkandi	3	Kurma	1
				Adampur	2
				Kamarchara	3
		Kulduta	4	Muroichara	1
				Monchara	2
				Gazipur	3
				Baramchal	4
				Bhattera	5
				Nalduri	6
		Habigonj	5	Kalenga	1
				Rema	2
				Rashidpur	3
				Putijuri	4
		Raghunandan	6	Shahapur	1
				Shaltila	2
				Shahajibazar	3
				Jagadishpur	4
		Satchari	7	Satchari	1
				Telmachara	2
		North Sylhet	8	Jaflong	1
				Shari	2
				Gowainghat	3
				Kanairghat	4
				Rafargole	5
				Khadimnagar	6
				Tilagaor	7
				Ranikhal	8
				Salutikar	9
		Sunamgonj	9	Maheshkhola	1
				Dalergaon	2
				Saktiarkhola	3
				Sunamgonj Sadar	4
				Doarabazar	5
				Chatak	6

DIVISION	CODE	RANGE	CODE	BEAT	CODE	BLOCK	CODE
Chittagong	21	Olinagar	1	Olinagar	1	Feni	1
		Karerhat	2	Karerhat	1	Lakhichari	1
				Andermanik	2	Panua	2
						.Nalua West	3
				Kolia	3	Kolia North	4
				Hiakhon	4	Hiakhon	5
						Nischinta	6
		Mirsarai	3	Hinguli	1	Hinguli	1
						Kolia South	2
				Zorarganj	2	Zorarganj	3
				Gobania	3	Raghunathpur	4
						Gobania	5
		Baralya-dhala	4	Baratakia	1	Kunderhat	1
				Baralyadhala	2	Wahidpur	2
						Baralyadhala	3
				Sitakunda	3	Sitakunda	4
						Chandranath	5
				Hazarikhil	4	Hazarikhil	6
						Rangapani	7
				Fatickchari	5	Fatickchari	8
						Harwalchari	9
		Kumira	5	Barabkunda	1	Barabkunda	1
				Kumira	2	Kumira	2
				Shitalpur	3	Shitlapur(P.F)	3
		Narayan-hat	6	Dantmara	1	Nalua East	1
						Dantmara	2
				Balukhali	2	Chandpur	3
						Idilpur	4
						Badurkhil	5
				Narayanhat	3	Kalyapukhia	6
						E. Kalyapukhia	7
				Dhurang	4	E. Kanchannagar	8
						W. Kanchannagar	9
		Hasnabad	7	Tarakhon	1	Tarakhon	1
				Hasnabad	2	Hasnabad	2
		Hathazari	8	Hathazari	1	Hathazari	1
				Sarta	2	Khiram	2
						Gopalghata	3
						Magkata	4
						Gamaritala	5
				Sobhanchari	3	Baramasid	6
						Sobhanchari	7
				Mondakini	4	Udolla	8
						Monaichari	9
						Lot udolia	10
						Hazirkhil	11
						Choto Kanchanpur	12

DIVISION	CODE	RANGE	CODE	BEAT	CODE	BLOCK	CODE
		Ichamati	9	Ischamati	1	Thandachari	1
				Nischintapur	2	Ghagra	2
						Nischintapur	3
		Dohazari	10	Lalutia	1	Lalutia	1
						Chiringhata	2
				Dhopachari	2	Mangala	3
						Dhopachari	4
				Sangu	3	Sangu	5
				Baltarani	4	Baltarani	6
		Rangunia	11	Kodala	1	Kodala	1
				Chiringa	2	Chiringa	2
						Sarapbhata	3
				Narischa	3	Tripura Sundari	4
						Narischa (P.F.)	5
				Pomora(P.F.)	4	Pomara (P.F.)	6
		Khurusia	12	Sukbilash	1	Sukbilash	1
				Dudpukuria	2	Dudpukaria	2
				Khurusia	3	Khurusia	3
				Kamaichari	4	Silchari	4
		Patiya	13	Bhandarjuri	1	Dumuria	1
				Kelishahar	2	Bhandarjuri	2
				Srimal	3	Silchari	3
						Srimal	4
				Barguni	4	Sonaichari	5
						Hashempur	6
						Elahabad(P.F.)	7
		Padua	14	Barduara	1	Mahalla	1
						Puranagar	2
				Hangar	2	Sarasia	3
				Tankawali	3	Charamba	4
						Tankawati	5
				Dalu	4	Narischa	6
						Farong	7
		Chunati	15	Harbang	1	Goyalmara	1
						Harbang	2
						Tetlakata	3
				Chunati	2	Chunati	4
				Baraltali	3	Baraltali	5
				Bara Hatia	4	Chhota Hatia	6
						Bara Hatia	7
				Satgar	5	Satgar	8
		Jaldi	16	Jaldi	1	Jaldi	1
						Balichari	2
				Chambal	2	Chambal	3
				Napura	3	Napura	4
				Puichari	4	Pulchari	5
		Barabakia	17	Toitang	1	Toitang	1
				Barabakia	2	Barabakia	2
				Paharchanda	3	Paharchanda	3
		Kalipur (P.F.)	18	Kalipur	1	Kalipur	1
				Chechuria	2	Chechuria	2
				Shadhanpur	3	Shadhanpur	3
				Pukuria	4	Pukuria	4

DIVISION	CODE	RANGE	CODE	BEAT	CODE	BLOCK	CODE
		Madarsha (P.F.)	19	Madarsha	1	Madarsha	1
				Churamoni	2	Churamoni	2
				Baramadarsha	3	Baromadarsha	3
		Town	20	Town(P.F.)	1	Purba pahartali	1
						Kuilshi	2
						Purba Nasirabad	3
						Muradpur	4
Cox's Bazar	26	Fashia-khali	1	Halbila	1	Halbila	1
				Kakra	2	Kakra	2
				Manikpur	3	Manikpur	3
				Bamu	4	Bamu	4
				Fashiakhali	5	Fashiakhali	5
						Rangbhang	6
				Dulahazara	6	Dulahazara	7
						Hargaza	8
		Fulchari	2	Khuntakhali	1	Khuntakhali	1
						Medhakachapia	2
				Fulchari	2	Fulchari	3
				Napitkhali	3	Napitkhali	4
		Idgaon	3	Bhomar laghona	1	Bhomar laghona	1
				Idgarh	2	Idgarh	2
						Tulatai	3
		Meher-ghona	4	Manchuakhali	1	Machuakhali	1
				Kalirchara	2	Kalirchara	2
				Joarianala	3	Joarianala	3
						Bengdepa	4
						Jumchari	5
		Bagkhali	5	Bagkhali	1	Bagkhali	1
						Manirjhil	2
				Ghilatali	2	Ghilatali	3
						Barabil	4
				Kachapia	3	Kachapia	5
						Jungchara	6
				Rajarkul	4	Rajarkul	7
						Ramkol	8
		P.M.Khali	6	P.M. Khali	1	P.M. Khali North(P.F.)	1
				Dighirghona	2	P.M. Khali South(P.F.)	2
				Tutuk Khali	3	Tutuk Khali(P.F.)	3
				Khuruskul	4	Jaturya(P.F.)	4
		Panerchara	7	Panerchara	1	Panerchara	1
						Mithachara	2
		Cox's Bazar	8	Chainda	1	Chainda	1
				Kalatali	2	Bhangamura	2
				Jhilanga	3	Jhilanga West(P.F.)	3
				Link Road	4	Jhilanga East(P.F.)	4
		Dhoapa-long	9	Dhoapalong	1	Dhoapalong	1
				Khuniapalong	2	Khuniapalong	2
						Himchari	3
				Dariadighi	1	Dariadighi	4
				Upper Rezu	2	Upper Rezu	5
				Paglarbil	3	Paglarbil(P..F.)	6
				Maracha	4	Marchapalong(P.F.)	7

DIVISION	CODE	RANGE	CODE	BEAT	CODE	BLOCK	CODE
		Inani	10	Jaliapalong	1	Jaliapalong	1
				Rajapalong	2	Rajapalong	2
				Inoni	3	Bara Inoni	3
				Chota inoni	4	Chota Inoni	4
				Swankhali	5	Ruppati	5
						Swankhali	6
		Ukhia	11	Ukhia	1	Uhalapalong	1
						Kutupalong	2
				Dochari	2	Dochari	3
				Ukhirarghat	3	Ukhiarghat	4
				Thainkhali	4	Thainkhali	5
						Battali	6
						Palongkhali	7
				Walapalong	5	Walapalong(P.F.)	8
				Holudiapalong	6	Holudiapalong(P.F.)	9
				Bhalukia	7	Ratnapalong(P.F.)	10
		Whykhe-ong	12	Whykheong	1	Whykheong	1
				Raikheong	2	Raikheong	2
				Monkhali	3	Monkhali	3
				Saplapur	4	Saplapur	4
		Teknaf	13	Madhya Hnila	1	Madhya Hnila	1
				Hnila	2	Dakhin Hnila	2
				Rajarchara	3	Rajarchara	3
				Silkhali	4	Silkhali	4
				Mochoni	5	Ledha	5
						Dumdumia North	6
				Mathabhanga	6	Mathabhanga	7
				Teknaf	7	Dumdumia South	8
						Teknaf	9

APPENDIX 6

Tree Volume Equations

Tree Volume Equations Used in FDPP

Hereunder are the tree volume equations used in the Field Data Processing Program. These include the new equations for Akashmoni (*Acacia auriculiformis*) based on 219 observations with DBH data range from 3.9 to 32.8 cm, Mangium (*Acacia mangium*) based on 272 observations with DBH data range from 4.9 to 45.3 cm, and *Eucalyptus camaldulensis* with 550 observations with DBH range from 2.7 to 3.6cm. These new studies were done in collaboration with BFRI Researchers. The new equations were derived using a system of four simple (combined variable model) equations in each case. The equations provide consistent and very accurate tree volumes for the whole range of diameter classes for each of the three species.

The tree volume equations below also include the corrected equations for plantations of Dhakijam (*Syzygium grande*), Gamar (*Gmelina arborea*), Chapalish (*Artocarpus chapasha*) and Teligarjan (*Dipterocarpus turbinatus*) as well as Civit (*Swintonia floribunda*) and Bahera (*Terminalia belerica*) in natural stands.

	Species	Species Code	Volume Equations and Conversion Factors
1.	Akashmoni (*Acacia auriculiformis*); Plantation	106	$V_{tob} = 0.000043645*(D-3)^2*H$ $V_{tub} = 0.85342*V_{tob}$ $V_{5ub} = 0.99416*V_{tub}$ $V_{10ub} = 0.89330*V_{5ub}$
2.	Mangium (*A. mangium*); Plantation	145	$V_{tob} = 0.000038834*(D-3)^2*H$ $V_{tub} = 0.85018*V_{tob}$ $V_{5ub} = 0.99945*V_{tub}$ $V_{10ub} = 0.99970*V_{5ub}$
3.	Minjiri (*Cassia siamea*); Plantation	146	$\ln(V_{3ub}) = -10.1767+2.0642\ \ln D+0.8291\ \ln H$
4.	Pine (*Pinus carribea*); Plantation	152	$\ln(V_{3ub}) = -9.7505+1.9354\ \ln D+0.8517\ \ln H$
5.	Gamar (*Gmelina arborea*); Plantation	126	$\ln V_{tob} = -8.46871+1.63502*\ln D+0.78487*\ln H$ $F_{tub} = 0.74986+0.0031724*D-0.000024319*D^2$ $F_{5ub} = 1/(1.00001+0.93292*e^(-0.1894*D))$ $F_{10ub} = 0.99337-2.77683*e^(-0.14116*D)$ $F_{20ub} = 0.91606*(1-e^(-0.20480*D))^186.5$
6.	Dhakijam (*Syzygium grande*); Plantation	122	$V_{tob} = 0.00018987+0.000029903*D^2+0.00024887*D*H+$ $0.000024466*D^2*H$ $F_{tub} = D/(-0.23531+1.28175*D-0.0028786*D^2)$ $F_{5ub} = 0.99798*(1-e^(-0.30202*D))^1.71151$ $F_{10ub} = 0.98404*(1-e^(-0.24184*D))^16.65$ $F_{20ub} = 0.94094*(1-e^(-0.17372*D))^66.244$

7.	TeliGarjan (*Dipterocarpus turbinatus*); Plantation	108	V_{tob} = 0.0025211+0.00010003*D^2+0.00014779*D*H+ 0.000024065*D^2*H F_{tub} = 0.75496+0.0030279*D-0.000019510*D^2) F_{5ub} = 0.99938-167.707*D^(-3.4686) F_{10ub} = 0.98176*(1-e^(-0.35582*D))^69.509 F_{20ub} = 0.92806*(1-e^(-0.27813*D))^1156.116 Note: For DBH>75 cm, use Factor for DBH=75 cm in all cases
8.	Chapalish (*Artocarpus chapasha*); Plantation	117	ln(V_{tob}) = -8.94495+1.82851*lnD+0.73538*lnH F_{tub} = 0.76539+0.0035766*D-0.0000032305*D^2; if D>50, F_{tub} = 0.864 F_{5ub} = 0.99939-(72.8549*D)^(-3.14844) F_{10ub} = 0.99400-(1556.2135*D)^(-3.23157) F_{20ub} = 0.92197*(1-e^(-0.26753*D))^604.5896
9.	Civit (*Swintonia floribunda*); Plantation	102	IF D^2H<1200, V_{20ub} = 0.01059+0.00002887D^2H IF $D^2H \geq$ 1200, V_{20ub} = 0.09790+0.00002499D^2H
10.	Teak (*Tectona grandis*) Plantation	159	lnV_{Tob} = -9.4808+1.6212lnD+1.1648lnH V_{5ub} = 0.1217+0.2257D^2H V_{10ub} = 0.0000465$D^{1.58}H^{1.603}$ (??) V_{20ub} = 0.0645+0.2322D^2H
11.	*Eucalyptus camaldulensis*; Plantation	125	V_{tob} = 0.000042692*(D-3)^2*H V_{tub} = 0.83847*V_{tob} V_{5ub} = 0.95916*V_{tub} V_{10ub} = 0.89239*V_{5ub}
12.	Molluccana (*Paraserianthes falcataria*); Plantation	147	lnV_{tob} = -8.9942+1.4963lnD+1.1461lnH F_{tub}= 0.9130 - 0.6636$e^{-0.3401D}$ F_{15ub} = 0.9352 $(1-e^{-0.2742D})^{244.88}$ F_{20ub} = 0.9329 $(1-e^{-0.2313D})^{502.64}$
13.	Keora (*Sonneratia apetala*); Plantation	221	Noakhali/Bhola/Patuakhali V_{7ub} = 0.0041+0.00002463D^2H Chittagong C/A V_{7ub} = -0.00088+0.0000297D^2H
14.	Baen (*Avicenia officinalis*); Plantation	203	V_{7ub} = -0.0012+0.00002580D^2H
Natural Forests: Total volume, outside bark, excluding branches			
15.	Pitraj (*Aphanamixis polystachya*)	154	lnV = -8.9863+1.9328lnD+0.6992lnH F_{vub} = 0.655+0.007937D-0.00005847D^2 if D≤68cm othewise F_{vub}=0.924 F_{v10} = 1.0001-24.8498$D^{-2.4467}$ F_{v20} = 0.9945-1.9156$e^{-0.09406D}$
16.	Chapalish (*Artocarpus chapasha*)	117	lnV= -8.6639+2.1320lnD+0.2946lnH (??) F_{vub} = 0.9849-3.8652$D^{-0.9334}$ F_{v10} = 1.0 F_{v20} = 1/(1.000084+0.6980$e^{-0.05446D}$)
17.	Simul (*Bombax ceiba*)	162	lnV = -9.1013+1.9419lnD+0.5276lnH (?) F_{vub} = 0.9440-7.1054$D^{-1.1609}$ F_{v10} = 1.0 F_{v20} = 0.9984-89452.6$D^{-3.865}$

18.	Garjan (NF) (*Dipterocarpus spp.*)	108	$\ln V = -9.1872+1.6485\ln D+1.1306\ln H$ $F_{vub} = 0.8994-0.0004973+0.000006729D^2$ $F_{v10} = 1/(0.9997+0.1012e^{-0.06447D})$ $F_{v20} = 1.0002-1609.2425D^{-2.7472}$
19.	Dhali Garjan (*Dipterocarpus gracilis*)	168	$\ln V = -9.4406+1.8660\ln D+0.9648\ln H$ $F_{vub} = 0.8493+0.001308D-0.000007031D^2$ if D≤92cm otherwise, $F_{vub} = 0.910$ $F_{v10} = 1.000-0.03310e^{-0.05676D}$ $F_{v20} = 0.9975-0.1477e^{-0.06433D}$
20.	Baita Garjan (*Dipterocarpus costatus*)	169	$\ln V=-9.1693+1.7651\ln D+1.0011\ln H$ $F_{vub} = 0.9115-0.2543e^{-0.03883D}$ $F_{v10} = 1.0$ $F_{v20} = 0.9978-1.0016e^{-0.07375D}$
21.	Teli Garjan (*Dipterocarpus turbinatus*)	170	$\ln V = -9.1872+1.6485\ln D+1.1306\ln H$ $F_{vub} = 0.8994-0.0004973+0.000006729D^2$ $F_{v10} = 1/(0.9997+0.1012e^{-0.06447D})$ $F_{v20} = 1.0002-1609.2425D^{-2.7472}$
22.	Banderhola (*Duabanga grandiflora*)	109	$V = -0.5127+0.0004129D^2+0.001298H+0.0000247D^2H$ $F_{vub} = 0.8116+0.001650D-0.000004651D^2$ if D≤178cm, otherwise $F_{vub} = 0.958$ $F_{v10} = 1.0$ $F_{v20} = 0.9986+0.9808e^{-0.07870D}$
23.	Uriam (*Mangifera sylvatica*)	167	$\ln V=-8.9048+2.0808\ln D+0.6926\ln H$ $F_{vub}=0.9556-16.5862D^{-1.4465}$ $F_{v10}=1.0008-0.01859e^{-0.03721D}$ $F_{v20} = 0.9960-1.9569e^{-0.09610D}$
24.	Bonak (*Schima wallichii*)	114	$V=0.05978-0.00003151D^2+0.01648H+0.00002781D^2H$ $F_{vub}=1/(1.1935+0.3931e^{-0.04512D})$ $F_{v10} = 1.0005-0.02896e^{-0.04055D}$ $F_{v20}= 1.0050-0.4304e^{-0.03969D}$
25.	Civit (*Swintonia floribunda*)	102	$\ln V=-8.8621+1.8148\ln D+0.8280\ln H$ $F_{vub}=0.8245+0.002289D-0.00001045D^2$, if D≤109 otherwise $F_{vub}=0.958$ $F_{v10}=0.9997-(2634.8723D)^{-0.3637}$ $F_{v20} = 1.004114-216.8436D^{-2.2260}$
26.	Dhakijam (*Syzygium grande*)	122	$V=0.08566+0.0002378D^2+0.01194H+0.00002365D^2H$ $F_{vub}=1/(1.0740+0.2996e^{-0.03586D})$ $F_{v10}= 1.0$ $F_{v20}=1/(1.003997+1.5662e^{-0.08216D})$
27.	Bahera (*Terminalia belerica*)	107	$\ln V=-8.3245+1.7826\ln D+0.6257\ln H$ $F_{vub} = 1.0$ $F_{v10} = 1.0$ $F_{v20}=0.9998-0.5266e^{-0.05224D}$
28.	Chundul (*Tetrameles nudiflora*)	121	$\ln V=-8.4925+1.8522\ln D+0.6879\ln H$ $F_{vub}=0.8316+0.002165D-0.00001211D^2$, if D≤89, otherwise, $F_{vub}=0.928$ $F_{v10}=1.0$ $F_{v20}=1/(0.9986+0.3712e^{-0.04786D})$
29.	Mixed species	199	$\ln V=-8.3367+1.5932\ln D+0.9400\ln H$ $F_{vub}=0.8401+0.002192D-0.00001404D^2$, if D≤80, otherwise, $F_{vub}=0.926$ $F_{v10} = 0.9899+0.0001877D-0.0000008710D^2$, if D≤110, otherwise, $F_{vub}=1.0$ $F_{v20} = 0.8438+0.003104D-0.00001553D^2$, if D≤100, otherwise, $F_{vub}=0.999$

APPENDIX 7

Detailed Stand and Stock Tables (per Hectare Estimates)

Stand and Stock Tables by Species Group, Stratum and Forest Division :
NT (No. of Trees/ha), BA (Basal Area in sqm/ha), Vol(Volume in cu m/ha) .

Division : Chittagong (21) Date: 02/04/1998

Species Group : 1. Special class 2. Class A 3. Class B 4. Class C 5. Class D

Natural forest : Stratum 10 (HF/GF)

No. of plot clusters : 84

Species Group	Trees by Diameter Class											
	20-30			30-40			40-50			50-60		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	1.18	0.05	0.39	-	-	-	0.10	0.02	0.14	0.21	0.05	0.69
Class A	3.76	0.17	1.19	2.45	0.22	1.81	1.50	0.23	1.97	0.69	0.15	1.50
Class B	2.99	0.14	1.01	1.49	0.14	1.26	0.83	0.13	1.12	0.42	0.10	0.78
Class C	1.51	0.07	0.46	0.78	0.07	0.67	0.43	0.06	0.59	0.36	0.08	0.70
Class D	15.03	0.68	5.38	6.24	0.54	4.54	2.35	0.35	3.11	0.57	0.13	1.16
TOTAL	24.48	1.11	8.43	10.96	0.98	8.28	5.22	0.79	6.93	2.25	0.51	4.83

Species Group	Trees by Diameter Class												
	60-70			70-80			80+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	-	-	-	-	-	-	0.07	0.05	0.57	1.56	0.17	1.79	49.1
Class A	0.62	0.22	2.75	0.27	0.12	1.13	0.72	0.48	5.67	10.01	1.59	16.01	23.6
Class B	0.35	0.11	1.17	0.07	0.03	0.25	0.14	0.09	0.74	6.29	0.74	6.33	20.8
Class C	-	-	-	-	-	-	-	-	-	3.08	0.29	2.41	23.8
Class D	0.45	0.16	1.67	0.14	0.06	0.54	0.10	0.07	0.78	24.88	2.00	17.18	15.9
TOTAL	1.42	0.49	5.59	0.47	0.21	1.92	1.03	0.70	7.76	45.83	4.79	43.73	15.4

NOTE : NT - No. of trees
Vol - Volume in cu m/ha
Sp. Class - Special class
BA - Basal area in sqm/ha
S.E. - Sampling Error
HF - Large crown high forest, >50% crown closure
LF - Small crown high forest, >50% crown closure
ST - Scattered trees, about 20% crown closure
B/BO/OB - Bamboo (>80% stocking)/Bamboo (<80% stocking) /Bamboo (dominant) with other species

Natural forest : Stratum 20 (LF)

No. of plot clusters : 165

Species Group	Trees by Diameter Class											
	20-30			30-40			40-50			50-60		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	1.00	0.04	0.27	0.25	0.02	0.15	0.06	0.01	0.08	-	-	-
Class A	1.31	0.06	0.46	0.77	0.07	0.58	0.11	0.02	0.12	0.14	0.03	0.18
Class B	0.69	0.03	0.21	0.38	0.03	0.20	0.33	0.05	0.39	-	-	-
Class C	0.14	0.01	0.05	0.05	0.00	0.02	0.04	0.01	0.04	0.04	0.01	0.06
Class D	6.82	0.29	2.14	1.79	0.17	1.52	0.79	0.12	0.93	0.26	0.06	0.57
TOTAL	9.95	0.43	3.13	3.24	0.30	2.46	1.33	0.20	1.55	0.43	0.10	0.81

Species Group	Trees by Diameter Class												
	60-70			70-80			80+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	-	-	-	-	-	-	-	-	-	1.31	0.07	0.50	58.5
Class A	0.20	0.06	0.57	0.04	0.02	0.22	0.04	0.03	0.35	2.62	0.30	2.47	29.8
Class B	0.04	0.01	0.04	0.02	0.01	0.08	0.04	0.03	0.14	1.49	0.15	1.05	27.2
Class C	0.02	0.01	0.00	0.02	0.01	0.00	-	-	-	0.30	0.04	0.18	41.8
Class D	0.25	0.08	0.54	0.11	0.05	0.40	0.11	0.07	0.43	10.12	0.84	6.52	17.7
TOTAL	0.50	0.16	1.14	0.19	0.09	0.70	0.18	0.13	0.93	15.84	1.40	10.73	16.3

Natural forest : Stratum 30 (ST/TB)

No. of plot clusters : 286

Species Group	Trees by Diameter Class											
	20-30			30-40			40-50			50-60		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	1.02	0.04	0.29	0.40	0.04	0.21	0.08	0.01	0.07	0.07	0.02	0.07
Class A	0.71	0.03	0.16	0.14	0.01	0.07	0.02	0.00	0.02	0.06	0.01	0.13
Class B	0.16	0.01	0.03	0.09	0.01	0.06	0.06	0.01	0.07	-	-	-
Class C	0.05	0.00	0.02	0.02	0.00	0.01	-	-	-	-	-	-
Class D	0.75	0.03	0.23	0.09	0.01	0.04	0.15	0.03	0.15	0.07	0.02	0.06
TOTAL	2.69	0.11	0.72	0.74	0.07	0.39	0.32	0.05	0.30	0.20	0.05	0.26

Species Group	Trees by Diameter Class												
	60-70			70-80			80+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	-	-	-	-	-	-	-	-	-	1.57	0.10	0.64	62.3
Class A	0.02	0.01	0.07	-	-	-	0.04	0.03	0.26	1.00	0.10	0.70	35.4
Class B	-	-	-	-	-	-	0.02	0.01	0.09	0.33	0.04	0.24	37.3
Class C	0.02	0.01	0.03	0.05	0.02	0.09	0.02	0.02	0.11	0.17	0.05	0.25	41.7
Class D	0.01	0.00	0.00	0.04	0.02	0.26	0.05	0.03	0.16	1.17	0.14	0.90	26.5
TOTAL	0.06	0.02	0.10	0.09	0.04	0.35	0.14	0.09	0.61	4.25	0.43	2.73	20.4

Natural forest : Stratum 40 (B)

No. of plot clusters : 13

Species Group	Trees by Diameter Class											
	20-30			30-40			40-50			50-60		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Class D	-	-	-	-	-	-	-	-	-	0.70	0.14	0.61
TOTAL	-	-	-	-	-	-	-	-	-	0.70	0.14	0.61

Species Group	Trees by Diameter Class												
	60-70			70-80			80+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Class D	-	-	-	-	-	-	-	-	-	0.70	0.14	0.61	57.6
TOTAL	-	-	-	-	-	-	-	-	-	0.70	0.14	0.61	57.6

Natural Forest : All strata

Total No. of plot clusters : 548

Species Group	Trees by Diameter Class											
	20-30			30-40			40-50			50-60		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	0.98	0.04	0.29	0.28	0.02	0.15	0.07	0.01	0.08	0.07	0.02	0.15
Class A	1.29	0.06	0.38	0.64	0.06	0.45	0.28	0.04	0.35	0.18	0.04	0.35
Class B	0.72	0.03	0.22	0.37	0.04	0.28	0.24	0.04	0.30	0.07	0.02	0.12
Class C	0.30	0.01	0.10	0.15	0.01	0.12	0.08	0.01	0.10	0.07	0.01	0.13
Class D	4.28	0.19	1.44	1.43	0.13	1.07	0.63	0.10	0.78	0.23	0.05	0.37
TOTAL	7.57	0.33	2.43	2.87	0.26	2.07	1.30	0.20	1.61	0.61	0.14	1.13

Species Group	Trees by Diameter Class												
	60-70			70-80			80+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	-	-	-	-	-	-	0.01	0.01	0.09	1.42	0.10	0.76	36.2
Class A	0.16	0.05	0.60	0.05	0.02	0.23	0.15	0.10	1.13	2.73	0.37	3.49	18.4
Class B	0.06	0.02	0.19	0.01	0.01	0.06	0.04	0.03	0.20	1.51	0.17	1.38	16.4
Class C	0.02	0.01	0.02	0.03	0.01	0.05	0.01	0.01	0.06	0.66	0.08	0.57	19.5
Class D	0.13	0.04	0.38	0.07	0.03	0.32	0.07	0.05	0.31	6.84	0.58	4.68	11.1
TOTAL	0.37	0.12	1.20	0.17	0.07	0.66	0.28	0.19	1.79	13.17	1.32	10.87	10.9

Simple random sample mean : 12.36
Variance of mean : 1.32
Simple random sample sampling error : 10.67

Stand and Stock Tables by Species Group, Stratum and Forest Division :
NT (No. of Trees/ha), BA (Basal Area in sqm/ha), Vol(Volume in cu m/ha) .

Division : Chittagong (21) Date: 02/08/1998

Species Group : 1. Special Class 2. Class A 3. Class B 4. Class C 5. Class D

Plantation forest : Stratum 50 (T/OT, upto 1959, all cc)

No. of plot clusters : 23

Species Group	Trees by Diameter Class											
	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	27.91	0.65	4.99	57.78	2.57	16.63	22.78	1.99	12.46	6.74	1.03	6.86
Class A	1.53	0.04	0.15	6.43	0.30	0.71	2.56	0.25	0.81	0.66	0.10	0.60
Class B	0.80	0.02	0.06	0.80	0.04	0.11	1.02	0.09	0.36	1.32	0.20	0.30
Class D	2.85	0.06	0.03	6.21	0.29	0.15	1.90	0.18	0.08	0.44	0.06	0.03
TOTAL	33.10	0.77	5.23	71.22	3.20	17.60	28.26	2.51	13.70	9.15	1.39	7.78

Species Group	Trees by Diameter Class												
	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	1.61	0.35	2.35	0.44	0.14	1.04	0.22	0.12	0.39	117.5	6.84	44.73	20.6
Class A	0.86	0.20	0.69	0.44	0.15	0.56	-	-	-	12.48	1.03	3.51	41.3
Class B	-	-	-	-	-	-	-	-	-	3.95	0.36	0.82	62.5
Class D	0.22	0.05	0.02	0.22	0.07	0.03	-	-	-	11.84	0.71	0.34	45.3
TOTAL	2.69	0.60	3.06	1.10	0.35	1.63	0.22	0.12	0.39	145.7	8.95	49.39	18.0

NOTE : NT - No. of trees
Vol - Volume in cu m/ha
Sp. Class - Special Class
BA - Basal area in sqm/ha
S.E. - Sampling Error
T - Teak
OT - Teak with other species
LRS - Long Rotation Species
Mo - Moluccana
Eu - Eucalyptus spp.
Am - Acacia mangium
Ac - Acacia auriculiformis
Kd - Anthocephalus cadamba (chinensis)

Plantation forest : Stratum 60 (T/OT, upto 1960-79, all cc)

No. of plot clusters : 58

Species Group	Trees by Diameter Class											
	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	36.14	0.83	6.58	28.31	1.20	7.92	4.11	0.36	2.23	0.75	0.11	0.80
Class A	3.60	0.08	0.28	4.41	0.21	0.80	1.56	0.13	0.63	0.77	0.12	0.73
Class B	0.54	0.01	0.07	0.48	0.02	0.08	0.39	0.03	0.07	-	-	-
Class D	0.39	0.01	0.00	0.59	0.02	0.03	-	-	-	-	-	-
TOTAL	40.67	0.93	6.93	33.79	1.45	8.82	6.05	0.52	2.93	1.52	0.23	1.53

Species Group	Trees by Diameter Class												
	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	0.20	0.05	0.28	-	-	-	-	-	-	69.51	2.55	17.81	17.3
Class A	0.18	0.04	0.47	0.11	0.03	0.01	0.09	0.05	0.63	10.73	0.66	3.53	53.3
Class B	-	-	-	0.09	0.03	0.01	-	-	-	1.50	0.09	0.23	73.6
Class D	-	-	-	-	-	-	0.11	0.04	0.02	1.09	0.07	0.05	59.6
TOTAL	0.39	0.09	0.75	0.20	0.06	0.03	0.20	0.09	0.65	82.82	3.38	21.61	16.7

Plantation forest : Stratum 70 (T/OT, 1980 and up, all cc)

No. of plot clusters : 60

Species Group	Trees by Diameter Class											
	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	2.90	0.07	0.46	5.33	0.23	1.42	0.80	0.07	0.29	0.20	0.03	0.09
Class A	0.94	0.02	0.08	0.18	0.01	0.04	0.20	0.02	0.03	0.26	0.04	0.17
Class B	1.07	0.02	0.12	0.09	0.00	0.01	-	-	-	0.09	0.02	-
Class C	-	-	-	-	-	-	0.09	0.01	0.01	-	-	-
Class D	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	4.90	0.11	0.66	5.60	0.24	1.47	1.09	0.10	0.33	0.55	0.09	0.26

Species Group	Trees by Diameter Class												
	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	0.09	0.02	-	-	-	-	-	-	-	9.32	0.42	2.26	51.4
Class A	-	-	-	-	-	-	0.11	0.05	0.37	1.69	0.14	0.68	76.9
Class B	-	-	-	-	-	-	-	-	-	1.25	0.04	0.14	70.4
Class C	0.11	0.02	0.01	-	-	-	0.09	0.06	-	0.29	0.10	0.01	72.5
Class D	0.18	0.05	0.13	-	-	-	0.22	0.10	0.04	0.40	0.15	0.17	74.9
TOTAL	0.38	0.09	0.14	-	-	-	0.42	0.21	0.41	12.94	0.84	3.26	39.8

Plantation forest : Stratum 90 (Other LRS, upto 1979, all cc)

No. of plot clusters : 17

Species Group	Trees by Diameter Class											
	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	1.56	0.03	0.24	-	-	-	-	-	-	-	-	-
Class A	8.55	0.20	0.53	11.59	0.56	1.11	5.26	0.47	1.76	1.32	0.19	0.54
Class B	3.95	0.09	0.33	3.95	0.17	0.77	0.66	0.07	0.38	0.33	0.04	0.02
Class D	5.59	0.13	0.07	3.29	0.14	0.07	1.32	0.12	0.05	1.07	0.18	0.08
TOTAL	19.65	0.46	1.17	18.83	0.87	1.96	7.23	0.66	2.18	2.71	0.42	0.64

Species Group	Trees by Diameter Class												
	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	-	-	-	-	-	-	-	-	-	1.56	0.03	0.24	223.2
Class A	0.99	0.23	0.74	0.99	0.32	3.02	3.51	1.93	7.35	32.20	3.91	15.06	49.9
Class B	0.33	0.08	0.03	-	-	-	-	-	-	9.21	0.44	1.53	62.1
Class D	1.15	0.25	0.11	-	-	-	-	-	-	12.41	0.82	0.37	37.7
TOTAL	2.47	0.56	0.88	0.99	0.32	3.02	3.51	1.93	7.35	55.38	5.21	17.20	46.0

Plantation forest : Stratum 100 (Other LRS, 1980 and up, all cc)

No. of plot clusters : 41

Species Group	Trees by Diameter Class											
	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	4.11	0.09	0.61	0.39	0.01	0.09	-	-	-	-	-	-
Class A	6.74	0.15	0.60	1.71	0.07	0.28	0.16	0.01	0.12	0.16	0.03	0.18
Class B	1.45	0.03	0.19	-	-	-	-	-	-	-	-	-
Class D	-	-	-	0.46	0.02	0.01	0.16	0.01	0.01	-	-	-
TOTAL	12.30	0.27	1.40	2.56	0.10	0.38	0.33	0.03	0.12	0.16	0.03	0.18

Species Group	Trees by Diameter Class												
	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	-	-	-	-	-	-	-	-	-	4.51	0.11	0.70	52.1
Class A	0.16	0.04	0.18	-	-	-	-	-	-	8.94	0.29	1.36	59.4
Class B	-	-	-	-	-	-	-	-	-	1.45	0.03	0.19	63.2
Class D	-	-	-	-	-	-	-	-	-	0.62	0.03	0.02	80.9
TOTAL	0.16	0.04	0.18	-	-	-	-	-	-	15.52	0.46	2.27	41.4

Plantation forest : Stratum 120 (Eu/Am/Ac/Others, all cc)

No. of plot clusters : 52

Species Group	Trees by Diameter Class											
	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	1.43	0.03	0.21	1.22	0.06	0.29	-	-	-	-	-	-
Class A	1.08	0.02	0.12	0.70	0.03	0.02	0.10	0.01	0.01	0.17	0.03	0.01
Class B	2.20	0.05	0.13	0.81	0.03	0.09	-	-	-	-	-	-
Class C	3.33	0.07	0.20	0.30	0.01	0.01	-	-	-	-	-	-
Class D	1.38	0.03	0.02	0.46	0.02	0.01	-	-	-	0.13	0.02	0.01
TOTAL	9.43	0.20	0.69	3.50	0.14	0.43	0.10	0.01	0.01	0.30	0.05	0.02

Species Group	Trees by Diameter Class												
	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	-	-	-	-	-	-	-	-	-	2.66	0.09	0.50	72.5
Class A	-	-	-	-	-	-	-	-	-	2.05	0.09	0.16	93.8
Class B	-	-	-	-	-	-	-	-	-	3.01	0.07	0.22	53.4
Class C	-	-	-	-	-	-	-	-	-	3.63	0.08	0.22	113.2
Class D	-	-	-	-	-	-	-	-	-	1.97	0.07	0.03	45.3
TOTAL	-	-	-	-	-	-	-	-	-	13.32	0.40	1.14	48.9

Plantation forest : Stratum 140 (Other plantations)

No. of plot clusters : 8

Species Group	Trees by Diameter Class											
	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Class A	-	-	-	0.73	0.03	0.15	-	-	-	-	-	-
Class B	-	-	-	0.88	0.03	0.28	-	-	-	-	-	-
Class D	31.13	0.69	0.35	6.73	0.21	0.11	-	-	-	-	-	-
TOTAL	31.13	0.69	0.35	8.33	0.28	0.54	-	-	-	-	-	-

Species Group	Trees by Diameter Class												
	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Class A	-	-	-	-	-	-	-	-	-	0.73	0.03	0.15	150.7
Class B	-	-	-	-	-	-	-	-	-	0.88	0.03	0.28	75.0
Class D	-	-	-	-	-	-	-	-	-	37.86	0.90	0.46	46.8
TOTAL	-	-	-	-	-	-	-	-	-	39.47	0.96	0.89	31.1

Plantation forest : Stratum 150 (Others (e.g. EN, FP))

No. of plot clusters : 281

Species Group	Trees by Diameter Class											
	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	2.32	0.05	0.40	3.00	0.14	0.88	1.11	0.10	0.66	0.17	0.02	0.16
Class A	0.68	0.01	0.04	1.70	0.07	0.36	0.59	0.05	0.20	0.20	0.03	0.21
Class B	0.38	0.01	0.03	0.53	0.03	0.19	0.12	0.01	0.05	0.05	0.01	0.04
Class C	0.21	0.01	0.02	0.19	0.01	0.04	-	-	-	-	-	-
Class D	0.40	0.01	0.01	1.20	0.05	0.34	0.33	0.03	0.14	0.25	0.04	0.18
TOTAL	3.99	0.09	0.49	6.62	0.30	1.82	2.15	0.19	1.06	0.67	0.10	0.58

Species Group	Trees by Diameter Class												
	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. class	0.06	0.01	0.09	-	-	-	-	-	-	6.66	0.33	2.19	38.5
Class A	0.06	0.01	0.00	-	-	-	0.09	0.06	0.27	3.32	0.24	1.08	26.7
Class B	0.05	0.01	0.08	-	-	-	-	-	-	1.12	0.06	0.39	37.9
Class C	-	-	-	0.03	0.01	0.00	-	-	-	0.42	0.02	0.07	89.1
Class D	0.08	0.02	0.06	0.07	0.02	0.12	0.07	0.04	0.15	2.41	0.21	1.00	24.1
TOTAL	0.25	0.05	0.24	0.09	0.03	0.12	0.16	0.09	0.42	13.93	0.86	4.72	21.0

Plantation Forest : All strata (Except 140/150) Total No. of plot clusters : 251

Species Group	Trees by Diameter Class											
	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. class	10.99	0.25	1.93	12.53	0.55	3.53	3.35	0.29	1.80	0.91	0.14	0.91
Class A	3.34	0.08	0.28	3.00	0.14	0.38	1.10	0.10	0.38	0.44	0.07	0.31
Class B	1.53	0.03	0.14	0.71	0.03	0.12	0.23	0.02	0.08	0.19	0.03	0.03
Class C	0.73	0.02	0.04	0.07	0.00	0.00	0.02	0.00	0.00	-	-	-
Class D	1.17	0.03	0.01	1.27	0.06	0.03	0.36	0.03	0.01	0.17	0.03	0.01
TOTAL	17.77	0.40	2.41	17.57	0.77	4.05	5.07	0.45	2.28	1.71	0.26	1.26

Species Group	Trees by Diameter Class												
	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E
Sp. class	0.23	0.05	0.30	0.05	0.01	0.11	0.02	0.01	0.04	28.08	1.31	8.63	13.5
Class A	0.25	0.06	0.26	0.15	0.05	0.33	0.35	0.19	0.83	8.63	0.67	2.76	28.1
Class B	0.03	0.01	0.00	0.02	0.00	0.00	-	-	-	2.71	0.13	0.38	29.6
Class C	0.02	0.00	0.00	-	-	-	0.02	0.01	-	0.86	0.04	0.05	106.7
Class D	0.16	0.04	0.04	0.02	0.01	0.00	0.07	0.03	0.01	3.22	0.22	0.12	27.8
TOTAL	0.69	0.16	0.60	0.24	0.08	0.45	0.46	0.24	0.88	43.50	2.36	11.94	11.6

Simple random sample mean : 12.32
Variance of mean : 1.62
Simple random sample sampling error : 13.14

Stand Tables by Species, Stratum and Division for Seedlings, Saplings and Poles
(No. of stems/ha) .

Division : Chittagong (21) Date : 02/04/1998

Species Group : 1. Special Class 2. Class A 3. Class B 4. Class C 5. Class D

Natural Forest : Stratum 10 (HF/GF) No. of plot Clusters : 84

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)			
					5-10	10-15	15-20	Total
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha S.E%
Sp. class	8.38	90.5	3.14	134.4	1.38	0.75	-	2.13 74.1
Class A	134.12	39.0	27.06	34.6	17.65	11.42	3.57	32.64 27.3
Class B	46.08	53.4	29.34	29.3	12.28	5.14	2.01	19.43 33.2
Class C	8.38	90.5	-	-	3.35	1.76	0.67	5.78 36.7
Class D	1624.63	18.7	508.24	13.9	125.19	42.90	15.42	183.51 9.1
TOTAL	1821.59	18.1	567.77	13.4	159.86	61.97	21.67	243.49 8.5

NOTE: S.E.% -> Sampling error

Natural Forest : Stratum 20 (LF) No. of plot Clusters : 165

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)			
					5-10	10-15	15-20	Total
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha S.E%
Sp. class	42.60	53.7	7.72	81.2	4.56	2.48	0.98	8.02 44.7
Class A	166.16	38.2	47.27	27.0	11.57	5.90	3.19	20.66 18.9
Class B	31.95	42.9	32.26	22.3	8.83	1.70	0.51	11.04 21.3
Class C	4.26	90.6	5.33	40.0	1.58	1.15	0.38	3.11 28.2
Class D	523.03	21.8	245.54	11.8	102.07	34.64	16.28	152.99 6.5
TOTAL	768.00	19.0	338.12	10.7	128.59	45.87	21.35	195.81 6.3

Natural Forest : Stratum 30 (ST/TB) No. of plot Clusters : 286

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					5-10	10-15	15-20	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	15.82	49.2	13.02	40.9	6.67	3.51	-	10.18	36.7
Class A	133.92	34.3	25.35	28.8	15.74	4.23	0.68	20.65	38.2
Class B	19.81	37.8	14.79	29.4	14.59	3.88	0.24	18.71	26.4
Class C	11.58	79.2	-	-	3.87	1.05	-	4.91	63.8
Class D	209.99	21.6	163.92	12.9	48.72	11.40	2.17	62.29	8.2
TOTAL	391.11	18.0	217.07	11.6	89.59	24.06	3.09	116.74	9.9

Natural Forest : Stratum 40 (B) No. of plot Clusters : 13

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					5-10	10-15	15-20	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	255.04	57.6	13.26	115.5	18.67	1.70	-	20.37	55.1
Class A	594.08	99.0	222.85	55.2	-	-	-	-	-
Class B	-	-	84.87	115.5	7.64	-	-	7.64	67.0
Class D	169.74	115.5	326.64	31.7	37.80	-	-	37.80	42.5
TOTAL	1018.85	59.0	647.62	29.4	64.11	1.70	-	65.81	41.5

Natural Forest : All strata

Total No. of Plot clusters : 548

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					5-10	10-15	15-20	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	33.54	31.4	10.32	33.9	6.04	2.75	0.21	9.00	26.3
Class A	166.23	26.9	41.19	20.8	14.29	5.50	1.64	21.43	22.4
Class B	25.49	25.5	24.70	25.5	12.61	3.41	0.57	16.59	18.5
Class C	8.87	61.4	1.13	40.0	3.08	1.12	0.19	4.40	41.7
Class D	500.64	12.2	245.35	7.6	71.68	20.74	7.17	99.59	4.6
TOTAL	734.77	10.9	322.70	7.1	107.71	33.52	9.77	151.00	5.3

Simple random sample sampling errors of Seedlings, Saplings and Poles are :
10.4, 6.7 and 4.9

Stand Tables by Species, Stratum and Division for Seedlings, Saplings and Poles
(No. of stems/ha) .

Division : Chittagong (21) Date : 02/08/1998

Species Group : 1. Special Class 2. Class A 3. Class B 4. Class C 5. Class D

Plantation forest : Stratum 50 (T/OT, upto 1959, all cc) No. of plot Clusters: 23

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	53.07	72.1	81.84	48.6	40.06	71.53	41.99	153.57	24.1
Class A	106.23	43.1	48.14	37.1	7.61	21.22	12.38	41.20	45.1
Class B	-	-	13.29	52.1	1.06	-	1.06	2.12	72.1
Class C	-	-	-	-	3.09	-	-	3.09	72.9
Class D	345.32	44.5	255.59	31.2	39.61	39.96	19.71	99.29	51.2
TOTAL	504.62	38.7	398.86	30.4	91.43	132.70	75.15	299.28	28.4

NOTE: S.E.% -> Sampling error

Plantation forest : Stratum 60 (T/OT, upto 1960-79, all cc) No. of plot Clusters: 58

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	146.42	62.9	25.62	47.9	24.11	60.95	65.85	150.91	14.1
Class A	203.15	45.1	19.90	40.9	6.00	5.82	4.17	15.99	29.0
Class B	13.73	100.0	15.10	60.1	4.83	1.76	1.32	7.90	48.3
Class D	86.02	56.2	179.82	33.5	39.44	36.88	5.38	81.70	21.8
TOTAL	449.31	34.2	240.44	26.6	74.38	105.40	76.72	256.50	13.7

Plantation forest : Stratum 70 (T/OT, 1980 and up, all cc) No. of plot Clusters: 60

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	153.83	42.4	152.03	27.0	59.56	58.66	20.18	138.39	15.8
Class A	241.99	36.4	107.05	27.6	49.06	59.96	8.89	117.90	29.6
Class B	10.80	98.3	18.89	55.0	3.02	9.93	6.47	19.42	67.7
Class C	-	-	11.47	58.4	0.86	0.43	-	1.29	55.8
Class D	529.32	24.2	280.29	19.7	61.29	14.35	0.43	76.07	21.4
TOTAL	935.93	18.1	569.73	14.6	173.79	143.32	35.97	353.08	11.9

Plantation forest : Stratum 90 (Other LRS, upto 1979, all cc) No. of plot Clusters: 17

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	99.52	94.1	9.95	94.1	5.97	-	5.57	11.54	81.9
Class A	265.39	73.0	89.57	55.2	77.59	102.13	12.73	192.45	49.9
Class B	79.62	94.1	29.86	94.1	4.77	-	-	4.77	94.1
Class D	567.28	60.8	104.50	70.8	23.87	23.87	12.73	60.48	50.1
TOTAL	1011.81	44.4	233.88	55.2	112.20	126.00	31.04	269.24	37.5

Plantation forest : Stratum 100 (Other LRS, 1980 and up, all cc) No. of plot Clusters: 41

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	19.91	97.6	-	-	3.34	21.96	11.78	37.08	40.3
Class A	35.83	225.0	34.83	65.8	55.70	88.17	47.11	190.99	29.9
Class B	-	-	23.89	65.3	20.32	72.95	23.18	116.45	36.7
Class C	-	-	-	-	-	1.91	1.91	3.82	97.6
Class D	298.57	57.2	173.17	54.7	9.07	10.19	0.80	20.05	27.9
TOTAL	354.30	56.8	231.89	47.9	88.44	195.18	84.78	368.39	18.9

Plantation forest : Stratum 120 (Eu/Am/Ac/Others, all cc) No. of plot Clusters: 52

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	-	-	3.83	100.0	1.43	8.98	4.90	15.30	64.7
Class A	145.96	44.2	173.52	43.5	84.96	174.05	45.95	304.97	22.6
Class B	60.22	57.6	43.38	38.5	55.21	103.94	27.55	186.70	32.8
Class C	15.31	100.0	3.06	100.0	4.86	32.73	19.06	56.64	49.6
Class D	346.01	57.8	187.81	44.1	8.90	7.92	6.87	23.68	33.7
TOTAL	567.50	37.9	411.59	27.1	155.36	327.62	104.31	587.29	15.4

Plantation forest : Stratum 140 (Other plantations) No. of plot Clusters: 8

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Class A	176.73	150.2	-	-	73.48	32.50	-	105.98	108.3
Class B	-	-	-	-	12.72	25.44	-	38.15	150.2
Class C	-	-	-	-	-	8.49	-	8.49	75.0
Class D	318.65	52.6	53.11	75.0	-	58.04	105.42	163.46	29.4
TOTAL	495.38	57.2	53.11	75.0	86.20	124.47	105.42	316.09	37.1

Plantation forest : Stratum 150 (Others (e.g. EN, FP)) No. of plot Clusters: 281

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	76.24	28.2	32.28	25.1	14.83	11.10	7.92	33.85	21.0
Class A	177.14	22.2	75.17	19.0	15.95	26.60	8.37	50.92	24.3
Class B	21.62	49.7	17.26	23.3	9.18	20.67	6.14	35.99	25.4
Class C	13.50	62.9	5.41	33.1	1.06	1.37	0.31	2.74	36.3
Class D	180.66	20.5	170.32	17.6	9.79	23.35	7.24	40.38	10.9
TOTAL	469.16	14.2	300.44	11.6	50.82	83.08	29.98	163.88	10.7

Plantation Forest : All strata (Except 140/150) Total No. of Plot clusters : 251

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No./ha	S.E%	No./ha	S.E%	No./ha	No./ha	No./ha	No./ha	S.E%
Sp. class	75.42	30.4	46.96	21.2	22.47	36.84	23.81	83.13	9.7
Class A	159.11	23.2	84.21	22.5	49.08	81.22	24.83	155.13	14.4
Class B	24.75	42.6	25.01	24.5	18.27	40.21	12.52	70.99	23.0
Class C	3.36	100.0	3.08	50.6	1.59	7.66	4.57	13.82	44.9
Class D	350.87	20.5	203.04	16.1	29.73	19.48	5.94	55.15	14.4
TOTAL	613.52	14.5	362.31	11.9	121.14	185.41	71.67	378.22	7.8

Simple random sample sampling errors of Seedlings, Saplings and Poles are :
13.30, 11.16 and 7.25

Stand Tables by Stratum and Division for Bamboo, Rattan and Medicinal Plants ;
No. of stems/ha

Division : Chittagong (21) Date : 02/04/1998

Natural Forest :

Stratum	No. of Plot Cluster	SST Bamboo(303) No. of Im. Stems	SST Bamboo(303) NO. of mat stems	SST Bamboo(303) Total No of stems	SST Bamboo(303) S.E. (%)	Other Bamboo(301,302,304-39) NO. of Im. stems	Other Bamboo(301,302,304-39) No. of mat stems	Other Bamboo(301,302,304-39) Total No of stems	Other Bamboo(301,302,304-39) S.E. (%)
10	84	1602.49	226.49	1828.98	23.8	3540.25	1119.33	4659.57	13.2
20	165	1984.23	500.01	2484.24	10.4	3486.51	1242.37	4728.88	10.3
30	286	1866.67	170.40	2037.06	11.8	3568.15	810.54	4378.69	8.8
40	13	4732.00	415.65	5147.65	31.2	-	-	-	-
All strata	548	1929.54	284.06	2213.60	8.4	3454.65	968.67	4423.31	5.9

Stratum	No. of Plot Cluster	Rattan No. of Stems <3	Rattan NO. of stems>=3	Rattan Total No of stems	Rattan S.E. (%)	Medicinal Plants
10	84	-	-	-	-	7.32
20	165	20.22	0.85	21.07	54.8	2.13
30	286	17.94	0.36	18.30	56.3	11.94
40	13	-	-	-	-	-
All strata	548	15.45	0.44	15.89	40.2	8.00

NOTE: Stratum : 1. HF - large crown high forest, >50% crown closure
2. LF - small crown high forest, >50% crown closure
3. ST - scattered trees, about 20% crown closure
4. B/BO/OB - Bamboo (>80% stocking)/Bamboo (<80% stocking) /Bamboo (dominant) with other species

Im stems - Immature stems
Mat stems - Mature stems
SST Bamboo - Solitary stem Bamboo
S.E.% - Sampling error

Stand Tables by Stratum and Division for Bamboo, Rattan and Medicinal Plants ;
No. of stems/ha

Division : Chittagong (21) Date : 02/08/1998

Plantation Forest :

Stratum	No. of Plot Cluster	SST Bamboo(303) No. of Im. Stems	SST Bamboo(303) NO. of mat stems	SST Bamboo(303) Total No of stems	SST Bamboo(303) S.E. (%)	Other Bamboo(301,302,304-39) NO. of Im. stems	Other Bamboo(301,302,304-39) No. of mat stems	Other Bamboo(301,302,304-39) Total No of stems	Other Bamboo(301,302,304-39) S.E. (%)
50	23	423.30	102.91	526.20	60.8	2246.90	232.16	2479.06	34.9
60	58	2731.83	341.78	3073.62	27.8	3117.77	653.05	3770.82	33.1
70	60	1179.41	271.47	1450.88	34.9	3563.45	903.76	4467.21	20.5
90	17	584.10	122.55	706.65	86.8	1283.19	109.42	1392.62	52.9
100	41	781.77	368.61	1150.38	59.7	556.05	115.39	671.44	34.0
120	52	1073.62	2.94	1076.56	39.2	361.14	24.48	385.62	39.5
140	8	110.37	29.73	140.10	64.4	3463.44	1698.58	5162.01	50.2
150	281	1553.73	54.89	1608.62	15.4	1555.52	323.98	1879.50	11.7
All strata	251	3084.61	284.82	3369.43	7.5	3882.53	836.39	4718.92	6.6

Stratum	No. of Plot Cluster	Rattan No. of Stems <3	Rattan NO. of stems>=3	Rattan Total No of stems	Rattan S.E.%	Medicinal Plants
50	23	79.66	-	79.66	48.0	-
60	58	41.16	-	41.16	82.1	-
70	60	-	-	-	-	-
90	17	-	-	-	-	-
100	41	43.77	3.82	47.59	57.4	-
120	52	-	-	-	-	-
140	8	-	-	-	-	-
150	281	10.11	0.15	10.26	75.5	2.76
All strata	251	35.28	0.79	36.07	30.1	3.09

Legend: Stratum : 5. T/OT, up to 1959
6. T/OT, 1960-1979
7. T/OT, 1980 and up
10. Other LRS
11. Mo, up to 1989
12. Eu/Am/Ac/Kd/Others, up to 1989
13. Eu/Am/Ac/Kd/Others, 1990 & up
15. Others

Im stems - Immature stems
Mat stems - Mature stems
SST Bamboo - Solitary stem Bamboo
S.E.% - Sampling error
All strata - All strata (Except 14/15)

APPENDIX 8

Detailed Forest Statistics (Division-Wide Estimates)

Forest Statistics by Species Group, Stratum and Forest Division :
No. of Trees (nearest 10), Basal Area (nearest 10 sqm) and Volume (nearest 10 cu m)].

Division : Chittagong (21) Date : 02/04/1998

Species Group : 1. Special Class 2. Class A 3. Class B 4. Class C 5. Class D

Natural Forest : Stratum 10 (HF/GF)

Stratum Area : 9551.30 Ha

Species Group	Trees by Diameter Class											
	20-30			30-40			40-50			50-60		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	11310	460	3680	-	-	-	990	150	1340	1980	500	6610
Class A	35930	1620	11350	23370	2140	17290	14330	2170	18810	6610	1440	14370
Class B	28600	1290	9660	14270	1370	12020	7940	1280	10690	3970	940	7420
Class C	14380	670	4420	7440	680	6360	4130	610	5600	3470	780	6670
Class D	-	6530	51370	59580	5170	43400	22430	3350	29730	5460	1230	11040
TOTAL	233790	10570	80470	104660	9360	79070	49820	7550	66160	21490	4890	46100

Species Group	Trees by Diameter Class												
	60-70			70-80			80+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. clas	-	-	-	-	-	-	660	520	5480	14950	1620	17110	49.1
Class A	5950	2050	26280	2530	1130	10750	6890	4630	54110	95610	15170	152940	23.6
Class B	3310	1100	11150	660	270	2430	1320	820	7100	60070	7060	60450	20.8
Class C	-	-	-	-	-	-	-	-	-	29430	2740	23050	23.8
Class D	4300	1550	15950	1320	590	5170	990	690	7470	237640	19110	164130	15.9
TOTAL	13560	4700	53370	4520	1990	18340	9860	6650	74150	437700	45700	417660	15.4

Natural Forest : Stratum 20 (LF)

Stratum Area : 12671.90 Ha

Species Group	Trees by Diameter Class											
	20-30			30-40			40-50			50-60		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	12630	560	3420	3200	250	1900	740	130	980	-	-	-
Class A	16630	750	5830	9700	930	7310	1450	200	1460	1780	420	2310
Class B	8700	370	2610	4790	410	2500	4240	620	4940	-	-	-
Class C	1780	90	650	670	60	240	450	70	550	450	110	810
Class D	86370	3720	27140	22690	2120	19260	10030	1490	11720	3230	710	7160
TOTAL	126110	5490	39650	41050	3760	31210	16910	2510	19650	5460	1240	10280

Species Group	Trees by Diameter Class												
	60-70			70-80			80+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. clas	-	-	-	-	-	-	-	-	-	16570	940	6300	58.5
Class A	2560	820	7170	560	270	2800	560	370	4470	33240	3760	31350	29.8
Class B	450	130	460	220	90	1030	450	330	1760	18840	1950	13290	27.2
Class C	220	80	40	220	100	40	-	-	-	3790	500	2320	41.8
Class D	3120	990	6830	1450	670	5040	1340	920	5500	128230	10620	82660	17.7
TOTAL	6350	2030	14480	2450	1130	8920	2340	1620	11730	200670	17780	135930	16.3

Natural Forest : Stratum 30 (ST/TB)

Stratum Area : 34157.30 Ha

Trees by Diameter Class

Species Group	20-30			30-40			40-50			50-60		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	34780	1430	9970	13660	1220	7280	2740	390	2220	2320	520	2250
Class A	24250	1040	5360	4850	450	2290	840	140	510	2110	470	4410
Class B	5380	240	920	3060	300	1980	2110	390	2460	-	-	-
Class C	1690	90	620	840	90	440	-	-	-	-	-	-
Class D	25740	1080	7720	2950	290	1260	5280	880	5160	2530	560	2080
TOTAL	91830	3880	24630	25370	2360	13250	10970	1800	10350	6960	1550	8740

Trees by Diameter Class

Species Group	60-70			70-80			80+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E
Sp. clas	-	-	-	-	-	-	-	-	-	53500	3560	21720	62.3
Class A	840	290	2460	-	-	-	1410	890	8740	34300	3280	23770	35.4
Class B	-	-	-	-	-	-	840	490	2970	11390	1410	8330	37.3
Class C	840	240	990	1690	650	3010	840	610	3620	5910	1680	8680	41.7
Class D	420	130	70	1410	600	8850	1690	1150	5600	40020	4690	30740	26.5
TOTAL	2110	660	3520	3100	1240	11850	4780	3130	20940	145120	14620	93280	20.4

Natural Forest : Stratum 40 (B)

Stratum Area : 3298.60 Ha

Species Group	Trees by Diameter Class											
	20-30			30-40			40-50			50-60		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Class D	-	-	-	-	-	-	-	-	-	2320	470	2030
TOTAL	-	-	-	-	-	-	-	-	-	2320	470	2030

Species Group	Trees by Diameter Class												
	60-70			70-80			80+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Class D	-	-	-	-	-	-	-	-	-	2320	470	2030	57.6
TOTAL	-	-	-	-	-	-	-	-	-	2320	470	2030	57.6

Natural Forest : All strata

Total Area : 59679.10 Ha

Trees by Diameter Class

Species Group	20-30			30-40			40-50			50-60		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	58720	2450	17070	16860	1470	9180	4470	670	4540	4300	1020	886
Class A	76810	3410	22540	37920	3520	26890	16620	2510	20770	10510	2340	2108
Class B	42670	1900	13190	22130	2090	16500	14280	2280	18090	3970	940	742
Class C	17860	850	5680	8950	830	7050	4580	680	6140	3920	880	748
Class D	255670	11330	86230	85220	7570	63930	37740	5720	46620	13540	2970	2231
TOTAL	451730	19940	144750	171070	15480	123530	77700	11860	96170	36230	8150	6715

Trees by Diameter Class

Species Group	60-70			70-80			80+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. clas	-	-	-	-	-	-	660	520	5490	85010	6130	45140	36.2
Class A	9360	3160	35910	3090	1400	13550	8850	5880	67320	163160	22220	208060	18.4
Class B	3750	1230	11600	880	360	3460	2610	1630	11830	90300	10430	82080	19.4
Class C	1070	320	1030	1910	740	3040	840	610	3620	39130	4920	34040	19.5
Class D	7840	2670	22850	4180	1860	19060	4020	2760	18570	408210	34880	279560	11.1
TOTAL	22020	7390	71380	10070	4360	39110	****	****	*****	785810	78580	648900	10.9

Simple random sample sampling error : 10.67

Forest Statistics by Species Group, Stratum and Forest Division :
No. of Trees (nearest 10), Basal Area (nearest 10 sqm) and Volume (nearest 10 cu m)].

Division : Chittagong (21) Date : 02/08/1998

Species Group : 1. Special Class 2. Class A 3. Class B 4. Class C 5. Class D

Plantation Forest : Stratum 50 (T/OT, upto 1959, all cc)

Stratum Area : 1579.00 Ha

Trees by Diameter Class

Species Group	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	44070	1030	7870	91230	4060	26270	35970	3140	19670	10640	1630	10840
Class A	2420	60	240	10150	470	1120	4040	390	1270	1040	170	940
Class B	1270	30	100	1270	70	170	1620	150	570	2080	320	470
Class D	4500	100	50	9810	460	230	3000	280	130	690	90	40
TOTAL	52260	1220	8260	112460	5060	27790	44620	3960	21630	14450	2200	12290

Trees by Diameter Class

Species Group	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. clas	2540	550	3710	690	210	1640	350	180	620	185480	10810	70620	20.6
Class A	1360	310	1090	690	230	880	-	-	-	19700	1630	5540	41.3
Class B	-	-	-	-	-	-	-	-	-	6230	570	1300	62.5
Class D	350	90	40	350	110	50	-	-	-	18690	1130	530	45.3
TOTAL	4240	950	4840	1730	560	2570	350	180	620	230100	14130	77990	18.0

Plantation Forest : Stratum 60 (T/OT, upto 1960-79, all cc)

Stratum Area : 2394.20 Ha

Trees by Diameter Class

Species Group	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	86530	1990	15750	67780	2870	18960	9850	870	5340	1790	260	1910
Class A	8620	200	660	10570	510	1910	3730	310	1500	1850	280	1740
Class B	1300	30	160	1140	50	190	920	80	170	-	-	-
Class D	920	20	10	1410	50	60	-	-	-	-	-	-
TOTAL	97370	2230	16580	80900	3480	21120	14500	1250	7000	3640	550	3650

Trees by Diameter Class

Species Group	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. clas	490	120	670	-	-	-	-	-	-	166430	6110	42630	17.3
Class A	430	100	1110	270	80	30	220	110	1500	25680	1570	8450	5.3
Class B	-	-	-	220	70	30	-	-	-	3580	220	550	7.6
Class D	-	-	-	-	-	-	270	110	50	2610	180	110	5.6
TOTAL	920	220	1780	490	140	60	490	210	1550	198300	8080	51740	1.7

Plantation Forest : Stratum 70 (T/OT, 1980 and up, all cc)

Stratum Area : 3025.70 Ha

Trees by Diameter Class

Species Group	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	8770	210	1380	16120	690	4280	2430	220	880	610	80	280
Class A	2830	60	250	540	20	120	610	50	90	790	130	500
Class B	3240	70	370	270	10	40	-	-	-	270	50	-
Class C	-	-	-	-	-	-	270	30	20	-	-	-
Class D	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	14840	340	2010	16930	730	4450	3310	310	980	1660	270	780

Trees by Diameter Class

Species Group	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. clas	270	60	-	-	-	-	-	-	-	28190	1260	6830	51.4
Class A	-	-	-	-	-	-	340	140	1110	5100	410	2070	76.9
Class B	-	-	-	-	-	-	-	-	-	3780	130	410	70.4
Class C	340	70	30	-	-	-	270	200	-	880	290	40	72.5
Class D	540	150	380	-	-	-	680	300	130	1220	450	510	74.9
TOTAL	1150	270	420	-	-	-	1280	640	1230	39170	2540	9870	39.8

Plantation Forest : Stratum 90 (Other LRS, upto 1979, all cc)

Stratum Area : 1263.20 Ha

Trees by Diameter Class

Species Group	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	1970	40	300	-	-	-	-	-	-	-	-	-
Class A	10800	260	680	14640	710	1410	6650	600	2220	1660	240	690
Class B	4990	110	410	4990	210	980	830	90	470	420	60	20
Class D	7060	170	80	4150	180	90	1660	150	70	1350	230	100
TOTAL	24820	580	1470	23780	1100	2480	9140	830	2760	3430	530	810

Trees by Diameter Class

Species Group	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. clas	-	-	-	-	-	-	-	-	-	1970	40	300	223.2
Class A	1250	300	940	1250	400	3810	4430	2440	9290	40670	4940	19030	49.9
Class B	420	100	40	-	-	-	-	-	-	11630	560	1930	62.1
Class D	1450	320	130	-	-	-	-	-	-	15680	1040	470	37.7
TOTAL	3120	710	1110	1250	400	3810	4430	2440	9290	69960	6580	21720	46.0

Plantation Forest : Stratum 100 (Other LRS, 1980 and up, all cc)

Stratum Area : 2964.90 Ha

Trees by Diameter Class

Species Group	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	12190	270	1810	1170	40	280	-	-	-	-	-	-
Class A	19990	430	1790	5070	200	820	490	40	350	490	80	530
Class B	4290	100	560	-	-	-	-	-	-	-	-	-
Class D	-	-	-	1370	60	30	490	40	20	-	-	-
TOTAL	36460	800	4160	7610	300	1130	980	80	370	490	80	530

Trees by Diameter Class

Species Group	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. clas	-	-	-	-	-	-	-	-	-	13360	310	2080	52.1
Class A	490	110	550	-	-	-	-	-	-	26520	860	4030	59.4
Class B	-	-	-	-	-	-	-	-	-	4290	100	560	63.2
Class D	-	-	-	-	-	-	-	-	-	1850	100	50	80.9
TOTAL	490	110	550	-	-	-	-	-	-	46020	1360	6720	41.4

Plantation Forest : Stratum 120 (Eu/Am/Ac/Others, all cc)

Stratum Area : 3151.80 Ha

Trees by Diameter Class

Species Group	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	4520	100	670	3850	180	910	-	-	-	-	-	-
Class A	3400	70	390	2210	80	80	320	30	20	530	90	40
Class B	6940	150	420	2550	90	280	-	-	-	-	-	-
Class C	10500	220	640	960	40	40	-	-	-	-	-	-
Class D	4360	100	50	1460	70	40	-	-	-	400	50	20
TOTAL	29720	630	2180	11030	450	1340	320	30	20	930	140	60

Trees by Diameter Class

Species Group	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.%
Sp. clas	-	-	-	-	-	-	-	-	-	8370	280	1590	72.5
Class A	-	-	-	-	-	-	-	-	-	6460	280	520	93.8
Class B	-	-	-	-	-	-	-	-	-	9490	230	700	53.4
Class C	-	-	-	-	-	-	-	-	-	11450	250	680	113.2
Class D	-	-	-	-	-	-	-	-	-	6230	210	100	45.3
TOTAL	-	-	-	-	-	-	-	-	-	41990	1260	3590	48.9

Plantation Forest : All strata (Except 140/150) Total Area : 14378.80 Ha

Trees by Diameter Class

Species Group	15-20			20-30			30-40			40-50		
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol
Sp. clas	158040	3630	27800	180150	7850	50690	48240	4240	25890	13040	1970	13030
Class A	48060	1080	4000	43180	1980	5450	15830	1420	5440	6350	1000	4430
Class B	22020	480	2020	10220	420	1660	3370	310	1210	2760	420	490
Class C	10500	220	640	960	40	40	270	30	20	-	-	-
Class D	16850	380	190	18200	820	450	5150	460	210	2440	370	160
TOTAL	255470	5790	34650	252700	11110	58290	72850	6460	32760	24600	3770	18110

Trees by Diameter Class

Species Group	50-60			60-70			70+			Total			
	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	NT	BA	Vol	S.E%
Sp. clas	3300	720	4380	690	210	1640	350	180	620	403810	18820	124050	13.5
Class A	3520	810	3690	2210	710	4720	4990	2680	11900	124130	9690	39630	8.1
Class B	420	100	40	220	70	30	-	-	-	39000	1800	5440	23.6
Class C	340	70	30	-	-	-	270	200	-	12330	550	730	106.7
Class D	2340	550	550	350	110	50	950	410	170	46270	3100	1780	27.8
TOTAL	9910	2250	8690	3470	1110	6440	6550	3470	12690	625540	33950	171630	11.6

Simple random sample sampling error : 13.14

Statistics by Species group, Stratum and Division for Seedlings, Saplings and Poles;
No of stems (nearest 10)

Division : Chittagong (21) Date : 02/04/1998

Species Group : 1. Special Class 2. class A 3. Class B 4. Class C 5. Class D

Natural Forest : Stratum 10 (HF/GF) Stratum Area : 9551.30 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					5-10	10-15	15-20	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	80060	90.5	29970	134.4	13190	7200	-	20390	74.1
Class A	1280990	39.0	258480	34.6	168570	109080	34140	311790	27.3
Class B	440130	53.4	280190	29.3	117310	49070	19210	185580	33.2
Class C	80060	90.5	-	-	32010	16810	6400	55220	36.7
Class D	15517350	18.7	4854310	13.9	1195770	409710	147240	1752720	9.1
TOTAL	17398590	18.1	5422940	13.4	1526850	591850	206990	2325690	8.5

Natural Forest : Stratum 20 (LF) Stratum Area : 12671.90 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					5-10	10-15	15-20	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	539870	53.7	97800	81.2	57730	31470	12410	101600	44.7
Class A	2105550	38.2	599000	27.0	146580	74710	40480	261760	18.9
Class B	404840	42.9	408820	22.3	111870	21580	6480	139930	21.3
Class C	54000	90.6	67500	40.0	19970	14570	4860	39400	28.2
Class D	6627770	21.8	3111450	11.8	1293380	438920	206340	1938640	6.5
TOTAL	9732030	19.0	4284570	10.7	1629520	581250	270560	2481330	6.3

Natural Forest : Stratum 30 (ST/TB) Stratum Area : 34157.30 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					5-10	10-15	15-20	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	540440	49.2	444590	40.9	227890	119830	-	347720	36.7
Class A	4574280	34.3	865850	28.8	537660	144500	23150	705310	38.2
Class B	676520	37.8	505190	29.4	498330	132630	8170	639130	26.4
Class C	395470	79.2	-	-	132090	35710	-	167800	63.8
Class D	7172520	21.6	5598930	12.9	1664160	389260	74210	2127630	8.2
TOTAL	13359230	18.0	7414560	11.6	3060140	821910	105540	3987580	9.9

Natural Forest : Stratum 40 (B) Stratum Area : 3298.60 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					5-10	10-15	15-20	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	841260	57.6	43740	115.5	61600	5600	-	67190	55.1
Class A	1959620	99.0	735100	55.2	-	-	-	-	-
Class B	-	-	279950	115.5	25200	-	-	25200	67.0
Class D	559890	115.5	1077470	31.7	124680	-	-	124680	42.5
TOTAL	3360780	59.0	2136250	29.4	211480	5600	-	217080	41.5

Natural Forest : All strata

Total Area : 59679.10 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					5-10	10-15	15-20	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	2001630	31.4	616110	33.9	360400	164090	12410	536900	26.3
Class A	9920440	26.9	2458430	20.8	852810	328280	97770	1278860	22.4
Class B	1521500	25.5	1474140	25.5	752710	203280	33850	989840	18.5
Class C	529530	61.4	67500	40.0	184070	67080	11260	262410	41.7
Class D	29877530	12.2	14642150	7.6	4277990	1237880	427800	5943670	4.6
TOTAL	43850630	10.9	19258330	7.1	6427980	2000610	583090	9011680	5.3

Simple random sample sampling errors of Seedlings, Saplings and Poles are :
10.4, 6.7 and 4.9

Statistics by Species group, Stratum and Division for Seedlings, Saplings and Poles;
No of stems (nearest 10)

Division : Chittagong (21) Date : 02/08/1998

Species Group : 1. Special Class 2. class A 3. Class B 4. Class C 5. Class D

Plantation Forest : Stratum 50 (T/OT, upto 1959, all cc) Stratum Area: 1579.00 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	83800	72.1	129230	48.6	63250	112940	66310	242490	24.1
Class A	167740	43.1	76020	37.1	12010	33500	19540	65060	45.1
Class B	-	-	20990	52.1	1680	-	1680	3350	72.1
Class C	-	-	-	-	4890	-	-	4890	72.9
Class D	545260	44.5	403570	31.2	62540	63100	31130	156770	51.2
TOTAL	796800	38.7	629800	30.4	144360	209540	118660	472560	28.4

Plantation Forest : Stratum 60 (T/OT, upto 1960-79, all cc) Stratum Area: 2394.20 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	350550	62.9	61350	47.9	57720	145930	157670	361320	14.1
Class A	486380	45.1	47650	40.9	14370	13930	9990	38280	29.0
Class B	32860	100.0	36150	60.1	11560	4200	3150	18920	48.3
Class D	205950	56.2	430520	33.5	94430	88290	12880	195600	21.8
TOTAL	1075740	34.2	575670	26.6	178080	252360	183680	614110	13.7

Plantation Forest : Stratum 70 (T/OT, 1980 and up, all cc) Stratum Area: 3025.70 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	465440	42.4	460000	27.0	180210	177490	61050	418740	15.8
Class A	732180	36.4	323900	27.6	148440	181410	26900	356740	29.6
Class B	32660	98.3	57160	55.0	9140	30030	19590	58760	67.7
Class C	-	-	34710	58.4	2610	1310	-	3920	55.8
Class D	1601570	24.2	848080	19.7	185430	43420	1310	230160	21.4
TOTAL	2831860	18.1	1723840	14.6	525830	433660	108840	1068320	11.9

Plantation Forest : Stratum 90 (Other LRS, upto 1979, all cc) Stratum Area: 1263.20 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	125720	94.1	12570	94.1	7540	-	7040	14580	81.9
Class A	335240	73.0	113150	55.2	98010	129000	16080	243100	49.9
Class B	100570	94.1	37720	94.1	6030	-	-	6030	94.1
Class D	716580	60.8	132000	70.8	30160	30160	16080	76400	50.1
TOTAL	1278120	44.4	295440	55.2	141740	159160	39200	340100	37.5

Plantation Forest : Stratum 100 (Other LRS, 1980 and up, all cc) Stratum Area: 2964.90 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	59020	97.6	-	-	9910	65120	34920	109950	40.3
Class A	106230	225.0	103280	65.8	165160	261420	139680	566260	29.9
Class B	-	-	70820	65.3	60240	216280	68740	345260	36.7
Class C	-	-	-	-	-	5660	5660	11330	97.6
Class D	885220	57.2	513430	54.7	26900	30200	2360	59460	27.9
TOTAL	1050460	56.8	687530	47.9	262210	578680	251360	1092250	18.9

Plantation Forest : Stratum 120 (Eu/Am/Ac/Others, all cc) Stratum Area: 3151.80 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	-	-	12070	100.0	4500	28300	15430	48230	64.7
Class A	460030	44.2	546890	43.5	267790	548590	144820	961200	22.6
Class B	189800	57.6	136720	38.5	174020	327590	86820	588430	32.8
Class C	48250	100.0	9650	100.0	15310	103150	60060	178520	49.6
Class D	1090550	57.8	591920	44.1	28040	24970	21640	74650	33.7
TOTAL	1788630	37.9	1297250	27.1	489660	1032590	328770	1851020	15.4

Plantation Forest : All strata (Except 140/150) Total Area : 14378.80 Ha

Species group	Seedlings		Saplings		Poles by Diameter Class (in cm)				
					2.5-5	5-10	10-15	Total	
	No. stems	S.E%	No. stems	S.E%	No. stems	No. stems	No. stems	No. stems	S.E%
Sp. class	1084520	30.4	675210	21.2	323130	529770	342410	1195310	9.7
Class A	2287810	23.2	1210880	22.5	705770	1167850	357000	2230630	14.4
Class B	355900	42.6	359550	24.5	262670	578110	179970	1020760	23.0
Class C	48250	100.0	44360	50.6	22800	110120	65730	198650	44.9
Class D	5045140	20.5	2919520	16.1	427490	280140	85390	793020	14.4
TOTAL	8821610	14.5	5209520	11.9	1741870	2665990	1030510	5438360	7.8

Simple random sample sampling errors of Seedlings, Saplings and Poles are :
13.30, 11.16 and 7.25

Statistics by Stratum and division for Bamboo, Rattan and Medicinal plants ;
No. of stems(nearest 10)

Division : Chittagong (21)

Date : 02/04/1998

Natural Forest :

Stratum	Area (Ha)	SST Bamboo(303) No. of Im. Stems	SST Bamboo(303) NO. of mat stems	SST Bamboo(303) Total No of stems	SST Bamboo(303) S.E. (%)	Other Bamboo(301,302,304-39) NO. of Im. stems	Other Bamboo(301,302,304-39) No. of mat stems	Other Bamboo(301,302,304-39) Total No of stems	Other Bamboo(301,302,304-39) S.E. (%)
10	9551.3	15305860	2163250	17469100	23.8	33813980	10691020	44505000	13.2
20	12671.9	25143990	6336050	31480040	10.4	44180760	15743200	59923950	10.3
30	34157.3	63760280	5820360	69580640	11.8	121878410	27685870	149564280	8.8
40	3298.6	15608990	1371050	16980040	31.2	-	-	-	-
All strata	59679.1	115153430	16952320	132105750	8.4	206170260	57809130	263979400	5.9

Stratum	Area (Ha)	Rattan No. of Stems <3	Rattan NO. of stems>=3	Rattan Total No of stems	Rattan S.E. (%)	Medicinal Plants
10	9551.3	-	-	-	-	69900
20	12671.9	256270	10790	267060	54.8	26990
30	34157.3	612720	12250	624970	56.3	407970
40	3298.6	-	-	-	-	-
All strata	59679.1	922100	26480	948580	40.2	477230

Legend: Stratum : 1. HF - large crown high forest, >50% crown closure
2. LF - small crown high forest, >50% crown closure
3. ST - scattered trees, about 20% crown closure
4. B/BO/OB - Bamboo (>80% stocking)/Bamboo (<80% stocking) /Bamboo (dominant) with other species

Im stems - Immature stems
Mat stems - Mature stems
SST Bamboo - Solitary stem Bamboo
S.E.% - Sampling error

Statistics by Stratum and division for Bamboo, Rattan and Medicinal plants ;
No. of stems(nearest 10)

Division : Chittagong (21) Date : 02/08/1998

Plantation Forest :

Stratum	Area (Ha)	SST Bamboo(303) No. of Im. Stems	SST Bamboo(303) NO. of mat stems	SST Bamboo(303) Total No of stems	SST Bamboo(303) S.E. (%)	Other Bamboo(301,302,304-39) NO. of Im. stems	Other Bamboo(301,302,304-39) No. of mat stems	Other Bamboo(301,302,304-39) Total No of stems	Other Bamboo(301,302,304-39) S.E. (%)
50	1579.0	668380	162490	830870	60.8	3547850	366580	3914430	34.9
60	2394.2	6540560	818290	7358850	27.8	7464550	1563530	9028090	33.1
70	3025.7	3568550	821380	4389930	34.9	10781940	2734500	13516440	20.5
90	1263.2	737840	154810	892640	86.8	1620930	138220	1759150	52.9
100	2964.9	2317880	1092880	3410760	59.7	1648640	342110	1990750	34.0
120	3151.8	3383840	9260	3393100	39.2	1138240	77170	1215400	39.5
All strata	14378.8	44353010	4095390	48448390	7.5	55826130	12026310	67852450	6.6

Stratum	Area (Ha)	Rattan No. of Stems <3	Rattan NO. of stems>=3	Rattan Total No of stems	Rattan S.E.%	Medicinal Plants
50	1579.0	125780	-	125780	48.0	-
60	2394.2	98540	-	98540	82.1	-
70	3025.7	-	-	-	-	-
90	1263.2	-	-	-	-	-
100	2964.9	129770	11330	141090	57.4	-
120	3151.8	-	-	-	-	-
All strata	14378.8	507330	11340	518670	30.1	44440

Legend: Stratum : 5. T/OT, up to 1959
6. T/OT, 1960-1979
7. T/OT, 1980 and up
10. Other LRS
11. Mo, up to 1989
12. Eu/Am/Ac/Kd/Others, up to 1989
13. Eu/Am/Ac/Kd/Others, 1990 & up
15. Others

Im stems - Immature stems
Mat stems - Mature stems
SST Bamboo - Solitary stem Bamboo
S.E.% - Sampling error
All strata - All strata (Except 14/15)