



सत्यमेव जयते

2017-18

Survey Monitoring Report

West Bengal Forest & Biodiversity Conservation Project Plantation

Save Green see dream

সবুজ রক্ষা স্বপ্ন দেখা



Directorate of Forests
Government of West Bengal
Monitoring (South) Division
Monitoring Circle



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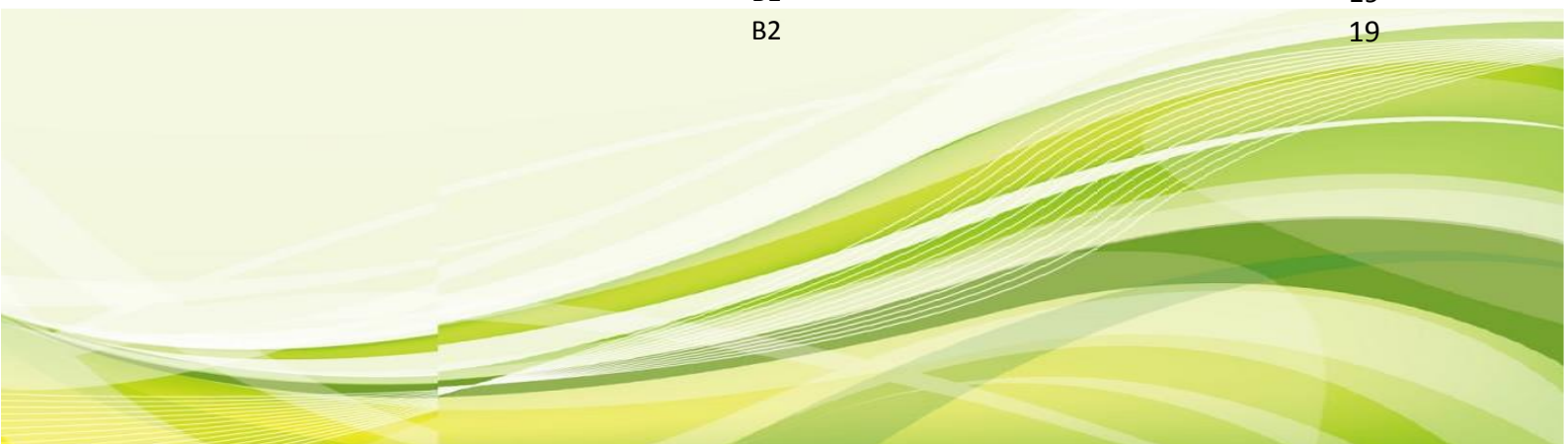
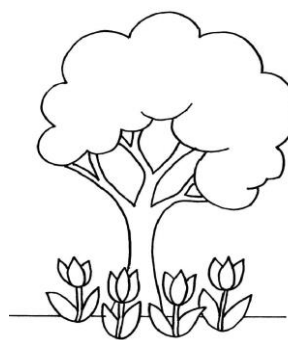
সবুজ রক্ষা স্বপ্ন দেখা




**Directorate of Forests
Government of West Bengal
Monitoring (South) Division
Monitoring Circle**



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Foreword

Monitoring wing had evolved as an essential tool to evaluate the success of plantation activities thanks to the dedicated and focused effort of this Monitoring wing. Plantation must be raised successfully since every plantation is a long term investment in both financial and environmental terms. Accountability needs to be incorporated in the entire process; necessary introspection is need on the elements of failure if any that had crept into the system. Monitoring wing records information on survival, height as well as collar girth (5th year plantations only) on a sampling intensity that varies from 7.5% to 5%.

West Bengal Forest and Biodiversity Society with aid from the JICA had financed for the monitoring of 2017-18 (1st year) plantation programme spread over 5085.1 ha. in A2 (845 ha.), A3 (1800.1 ha.), B1 (135 ha.), B2 (5 ha.) and A4-2016-17 (2300 ha.) models. West Bengal Forest and Biodiversity Society with aid from the JICA had also financed for the monitoring of 2014-15 (4th Year) plantation programme spread over 574.5 ha. in A1 (141.5 ha.), A2 (176 ha.), A3 (257 ha.). Plantations were raised in different forest DMUs of South West Bengal and plantations have shown higher level of success with a weighted survival percentage of 98% for the 1st year & 81% for the 4th year.

I congratulate the participating DMUs led by the respective CCFs and DFOs for raising truly good plantations. I extend my sincere appreciation to the Monitoring team, led by Sri Apurba Sen, IFS, Divisional Forest Officer, Monitoring (South) Division & Head, Monitoring South DMU who has painstakingly undertaken the exercise against all odds with active encouragement from his senior officers.

Every Monitoring activity gives certain level of experience and ideas which would help us improve the process further.

Principal Chief Conservator of Forests,
Research, Monitoring and Development, WB.





Preface

Periodic survey and monitoring of young plantations is an indispensable tool for gauging the success or otherwise of the forest plantations. Monitoring works undertaken under the Monitoring and Evaluation wing of Forest Directorate consists of observation and recording the status of survival percentage, height attained, whether working plan prescription are followed in case of first year old plantations. In future for fifth year old plantations breast height girth will also be taken in to consideration.

Monitoring South DMU has taken up the works of monitoring of 2017 i.e. 1st year old plantations and 2014 i.e. 4th year old plantation raised under JICA assisted WBFBCP project in 16 Forest DMUs of South Bengal during the year 2017-18 and 2014-15. This reflects the level of protection and maintenance received by the forest plantation from the concerned forest staff. It is also indicative of the performance of the concerned Joint Forest Management Committee.

The presentation of the Draft Survey Monitoring Report of South West Bengal 2017-18 was done on 8th January, 2019 at Aranya Bhawan, Kolkata. Some of the suggestions received during the presentation are included in this report.

I would like to thank Sri Apurba Sen, IFS, Divisional Forest Officer, Monitoring (South) Division & Head, Monitoring South DMU along with their entire field and office staff for doing their job painstakingly. My thanks are also to Sri M.C. Biswas, IFS, Conservator of Forests, Monitoring Circle, West Bengal for his timely suggestions and guidance to officers and staff.



(M.R. Bhatta, IFS)
Chief Conservator of Forests,
Monitoring and Evaluation, WB.

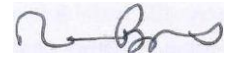


Note of Conservator of Forests, Monitoring Circle, West Bengal

Monitoring of plantations created by the forest DMU is a needful mechanism to assess the quality of plantations. Survey Monitoring Reports 2017-18 in respect of plantations raised with funds from JICA-assisted WBFBC Project in South Bengal is now being published. Field work for Survey monitoring of those plantations were carried during September'2017 to March'2018.

As usual Draft copies of Monitoring Report 2017-18 pertaining to South Bengal was circulated to the concerned DMUs for getting feedback. Comments as received from some of the DMUs have been suitably incorporated in the present volume. Efforts have been made to reconcile the data and observations of DMUs.

In addition suggestions as received during the presentation of this monitoring report 2017-18 held at Aranya Bhawan, Kolkata on 8th January, 2019 have also been incorporated in this report. I appreciate the effort of Divisional Forest Officer, Monitoring (South) Division & Head, Monitoring South DMU in bringing out this report in time.



(M.C. Biswas, IFS)
Conservator of Forests,
Monitoring Circle, WB.





Acknowledgment

The major function of Divisional Forest Officer & Head Monitoring South DMU and his team is to perform the following works with regards to the publication of this report-

1. Collection of preliminary data on plantation viz. location, model etc. of from WBFBCP.
2. Verify the data in field with the help of DMUs.
3. Conduct monitoring in the field through Range Officer & staff.
4. Compilation of the data after field work.
5. Sending the compiled data to the concerned DMUs to get their comment and also for if there is any correction.
6. Uploading the data after including the correction in the web site – https://wbfbcp.org/jica/dash_board.php
7. Preparation of the draft report and submit the same to the Conservator of Forests, Monitoring Circle, West Bengal.
8. After inclusion the corrections and suggestions of the Conservator of Forests, Monitoring Circle, West Bengal, the draft report is sent to the appropriate authority of WBFBCP.
9. The suggestion and correction if any on the report from the higher authority of the monitoring wing and authority of WBFBCP is also included.
10. Finally publish the report.

In the above process I sincerely acknowledge the suggestion and guidance of Principal Chief Conservator of Forests, Research, Monitoring and Development, West Bengal and Addl. Principal Chief Conservator of Forests, Research & Monitoring, West Bengal.

I acknowledge the suggestion and continuous guidance of Chief Conservator of Forests, Monitoring and Evaluation, West Bengal and Conservator of Forests, Monitoring Circle, West Bengal.

I acknowledge the help and cooperation of Chief Conservator of Forests, Central Circle, West Bengal, Chief Conservator of Forests, Western Circle, West Bengal, Chief Conservator of Forests, South East Circle, West Bengal, Chief Conservator of Forests, South West Circle, West Bengal and Conservator of Forests, Parks & Gardens Circle, West Bengal.

I acknowledge the help, guidance and excellent cooperation from the officers of WBFBCP.

I am also thankful to the DMUs and their team at South Bengal.

I am also very thankful to Asstt. Divisional Forest Officer, Monitoring (South) Division for his very sincere effort and helping me in field work.

I am thankful to all the Range Officers and their staff who sincerely completed the field work within time frame in spite of several hindrances.

My special thanks goes to Accountant cum Cashier, Monitoring South DMU for arranging the designing and typing of this report and bearing me for carrying my order even in odd time.



Divisional Forest Officer,
Monitoring (South) Division.

Dated, Kolkata, the 2nd May, 2018.



Abbreviation

For the names of the Divisional Management Unit (DMU)

Sl. No.	Abbreviation	Expanded
1	BNK(N)	Bankura (North)
2	BNK(S)	Bankura (South)
3	BIR	Birbhum
4	BDN	Burdwan
5	EFD	Extension Forestry Division, Purulia
6	DGP	Durgapur
7	HWH	Howrah Social Forestry
8	JHR	Jhargram
9	KNG(N)	Kangsabati (North)
10	KNG(S)	Kangsabati (South)
11	KGP	Kharagpur
12	MID	Midnapur
13	N & M	Nadia & Murshidabad
14	PNCT	Panchet
15	PMID	Purba Medinipur
16	PRL	Purulia
17	RPN	Rupnarayan

Plantation Model

Sl. No.	Abbreviation	Expanded
1	A1	Plantation of High-yielding Eucalyptus Hybrid Clone
2	A2	Plantation of Sal and Associates in South Bengal
3	A3	Plantation of Quick growing Small Timber, fuel and fodder Species
4	A4	Enrichment of Degraded Sal Coppice Forests in SB through Coppice regeneration
5	B1	Strip Plantation
6	B2	Block Plantation

Others

Sl. No.	Abbreviation	Expanded
1	Avg.	Average
3	CPD	Chief Project Director
4	Dev.	Development
5	Cat.	Category
6	DMU	Divisional Management Unit
7	Fin.	Financial
8	FMU	Field Management Unit
9	GT	Grand Total
10	H/L	Highest / Lowest
11	JICA	Japan International Co-operation Agency
12	PMC	Project Management Consultant
13	PMU	Project Management Unit
14	PS	Performance Score
15	SP	Survival Percentage
16	WBFBCP	West Bengal Forest and Biodiversity Conservation Project
17	WC	Working Circle
18	WPS	Weighted Performance Score
19	WSP	Weighted Survival Percentage
20	YOP	Year of Plantation

Calendar of works of monitoring circle

(O.O. No. 05/PCCF/R&M/2M-4 dt. 6.11.06 read with Memo No. 165-176/PCCF-RMD/2M-4 dated 26.06.2009)

Date	Activity	Action
April-May	Placement of Fund of CF/Monitoring by PCCF/West Bengal in respect of Directorate Fund	CCF Finance
30th Sept	Regeneration Plan Map along with Plantation Journals (Compete up to date)	R.O.s of other Divisions to be directed by concerned DFOs to make these available to the R.O.s of Monitoring Divisions.
1 st Oct	Placement of Fund to DFO/Monitoring by territorial DFOs in respect of Non-Forest Dept [GoWB] funds [Civil Deposits]	Planting DFOs
15 th Oct	Starting Field Survey of Plantations	DFO/Monitoring (North) & DFO/Monitoring (South)
28 th Feb	Finishing Field Survey of Plantations raised with funds from Forest Dept.	Do
31 st Mar	Finishing Field Survey of Plantations raised with funds from civil deposits.	Do
10 th May	Circulation of survey data to DFOs for verification & comments.	Do
31 st May	Last date of receipt of comments from concerned DFOs/CFs.	DFOs / CFs
15 th Jul	Draft Monitoring Report (2 volumes)- Circulation for Comments to DFOs, CFs & CCFs.	DFO/Monitoring (N) & DFO/Monitoring (S)
31 st Jul	Last Date for Receipt of Comments	Other DFOs, CFs & CCFs
15 th Aug	Draft (Power Point) Presentations [2 No. for North & South Bengal] of CF/Monitoring.	CF/Monitoring to prepare & CCF/ME & SC to approve.
20 th Aug	(Power Point) Presentations in North Bengal by CF/Monitoring.	DFO/Monitoring (North) Divn. & CF/MC.
30 th Aug	(Power Point) Presentations in South Bengal by CF/Monitoring.	DFO/Monitoring (South) Divn. & CF/MC.
15 th Sep	Draft Monitoring Report (2 volumes)	Vetting by PCCF/RM&D through proper channel.
30 th Sep	Final Report (2 volumes) – Publication and Distribution.	DFO/Monitoring (N) & DFO/Monitoring (S)
15 th Nov	Draft State Monitoring Report (1 volume)	CF/Monitoring to submit to CCF/ME&SC & PCCF/RMD
30 th Nov	Final State Monitoring Report (1 volume) Publication and Distribution	CF/Monitoring

Introduction

Monitoring is an ongoing activity which analyses the progress of planned activity. Evaluation assesses the efficiency, impact relevance and sustainability of the project's action. Monitoring and evaluation also helps to improve the planning of a project. Monitoring and evaluation also signifies not only the quality of plantation but also to assess the parameters followed in the prescription of the plantation.

The main objective of the monitoring are

- To monitor physically and document the status of plantations under the project West Bengal Forest Bio-diversity Conservation by means of random sampling method.
- To evaluate the some activities of steps of creation of plantation, survival & health of plantations emphasizing on the parameter of height for 1st and 3rd year plantation & height and GBH for 5th year plantation.

During the Financial Year 2017-18, Monitoring (South) DMU has executed the Survey Monitoring works for the plantations under the project WBFBC created during the year 2017-18, 2016-17 & 2014-15 as stated below

Year	Model	Total Area in Hectares	Area monitored in Hectares
2017-18	1 st - A2, A3, B1 & B2	2785.10	2785.10
2016-17	2 nd - A4	2300	2300
2014-15	4 th -A1, A2, A3, B1	574.5	574.5
Total		5659.6	5659.6

Monitoring Methodology

The analysis has been carried out and result achieved on the basis of data recorded in the prescribed Survey Monitoring data sheets.

The individual plantation data in a compiled form was circulated to the concerned Divisional Management Unit and their respective Conservator of Forests/Chief Conservator of Forests in advance for checking of data & comments. This also helps them to replace the casualties & take other remedial measures targeted towards improvement of quality of plantations. The feedback received has been considered in the compilation of draft monitoring report.

Three major parameters viz. survival percentage, height and girth at breast height (only for 5th year plantation) of seedling are taken into consideration for the process.

The other parameters viz. maintenance of plantation journal, Sources of seed for raising nursery, time schedule of activity of creation stage & frequency of field visit of the supervising authority etc are also considered in performance scoring of the plantation, the detail of which is given in the new monitoring methodology.

The above parameters are measured in the field in individual patch of the plantation by random sampling method. The procedure is given below.

For the purpose of execution of survey & monitoring works the Statistical random sampling method is in practice.

The sampling intensity and size of sample plot for different ages of plantation is given below-

Sl. No.	Age of plantation	Sampling intensity	Size of sample plot	Data recording
1)	1 st year	7.5% of the area	50mt.X50mt.	No. of seedling species wise & height class wise.
2)	3 rd year	5% of the area	50mt.X50mt.	No. of seedling species wise & height class wise.
3)	5 th year	5% of the area	50mt.X50mt.	No. of seedling species wise, height class wise & girth at breast height. .

Pre-survey Works

1. Copies of regeneration maps along with plantation journals are collected from the respective DMUs.
2. Location, area, spacing of planting scheme etc. are also recorded as check list.
3. A grid line as per scale is laid over the map with quadrates of 50m x 50m & each grid is serially numbered.
4. Numbers of Sample plots (grids) are chosen randomly using the statistical random number table.

Field works

1. The selected sample plots are identified in the field.
2. Boundary corners are clearly marked with raised earthen mound topped with painted peg and geo-location is recorded.
3. Total enumeration is carried out species wise and in respect of height class intervals and also girth at breast height for the 5th year plantation.
4. The area of plantation is checked in the field by traversing with GPS.
5. At the time of Survey & Monitoring, the staff of respective FMU remains present & put their initials on the data sheets as the sign of authentication.

Calculation of Survival percentage

As per approved spacing, total number of seedlings that should be present in those plots is calculated. Survival percentage is found out as the ratio of actual number of seedlings to the prescribed number.

Category wise Survival percentage of plantation

According to the survival Percentage the plantations are classified as follows-

Year of plantation	Category A	Category B	Category C	Category D
1 st year	SP : 90% & above	SP : 89 – 75%	SP : 74 – 50 %	SP : < 50%
3 rd year	SP : 75% & above	SP :74 – 60%	SP : 59 – 40 %	SP : < 40%
5 th year	SP : 50% & above	SP :49 – 40%	SP : 39 – 30 %	SP : < 30%

In the earlier method of plantation monitoring emphasis was given only on the weighted survival percentage for assessment of plantation quality. Although the data on height and girth at breast height were recorded but little use were made of those data in analysis of the quality of the plantation. The present adopted method of plantation monitoring emphasizes on the different parameters which are prerequisites for raising a good quality plantation. Ten such parameters have been identified. These parameters have been broadly classified into following three categories.

1. **Conformity to the existing rules, provisions and guidelines.**
2. **Execution of Plantation works in the field.**
3. **Performance of the plantation.**

Each category has been assigned a score which varies with the age of the plantation, but the total score is kept 100 for all age category of the plantation. The total score of each category is sub divided among the parameters grouped under each category. The detail of parameter in each group is given below-

- **Conformity to the existing rules, provisions and guidelines consists of four parameters-**
 1. Legal status of land.
 2. Source of seed & status of nursery.
 3. Maintenance of plantation journal, regeneration plan.
 4. Planting pattern.
- **Execution of Plantation works in the field consists of four parameters-**
 1. Site quality & choice of species.
 2. Mechanism to protect plantation.
 3. Timely completion of prescribed plantation activities.
 4. Inspection intensity by supervising officers.
- **Performance of the plantation consists of two parameters-**
 1. Average survival percentage of seedling under different schemes during 1st, 3rd, 5th year.
 2. Reflection of general health of plantation by average height of seedlings under different scheme of 1st, 3rd& 5th year of plantation. For the 5th year old plantation another growth parameter which is girth at breast height (GBH) is recorded as a measure of performance.

Each parameter is assigned a maximum score which diminishes with the gradual non achievement of the definite parameters and reflected in score. The category and parameters have been standardized separately for 1st, 3rd& 5th year old plantation with year (age) specific assigned score.

The detail of score for each category is given below-

Scoring index for 1st year old plantation

Broad category	Detail of parameters	Score
Conformity to the existing rules, provisions and guidelines.	Legal status of the land.	3
	Source of seed and status of nursery.	3
	Maintenance of plantation journal along with regeneration map.	3
	Planting pattern.	3
Execution of Plantation works in the field.	Site quality & choice of species.	5
	Mechanism to protect plantation.	5
	Timely completion of prescribed plantation activities.	5
	Inspection intensity by supervising officers.	5
Performance of the plantation.	Average survival percentage	51
	General health of plantation	17
Total		100




Scoring index for 3rd year old plantation

Sl. No.	Detail of parameters.	Score
1	Maintenance of plantation journal along with regeneration map	5
2	Mechanism to protect plantation	5
3	Infilling with big size seedling	10
4	Timely completion of prescribed plantation activity	5
5	Inspection intensity by supervising officers	5
6	Average Survival Percentage	51
7	General health of the seedling (Height)	19
Total		100

Scoring index for 5th year old plantation

Sl. No.	Detail of parameters.	Score
1	Maintenance of plantation journal along with regeneration map	3
2	Mechanism to protect plantation	5
3	Inspection intensity by supervising officers	5
4	Average Survival Percentage	56
5	General health of the seedling (Height)	21
6	Average GBH of seedling	10
Total		100

Table for colour code

Grade	Score (1 st)	Score (3 rd)	Score (5 th)	Color code
Excellent	>85	>75	>60	
Very Good	71 – 85	61 – 75	45 – 60	
Good	46 – 70	46 – 60	30 – 44	
Average	31 – 45	31 – 45	15 – 29	
Poor	=<30	=<30	<15	

As desired by authority of WBFBCP the SWC works in the form of Contour Trench is also monitored. The running meter is measured in the sample plot and average running meter of all sample plot is multiplied by 4 to get the quantum of SWC work per hectare.

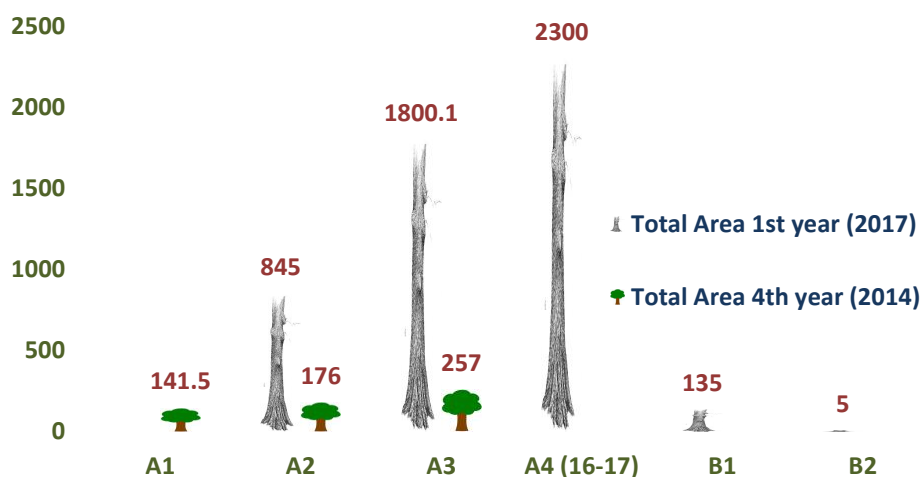
The scoring system of 3rd year is taken in case of 4th year plantation.

Area statement of 2017 & 2014 plantation

Area in Ha.

Serial Number	Model of Plantation	1 st Year (2017)		4 th Year (2014)		Grand Total	
		Total area Reported	Area Monitored	Total area Reported	Area Monitored	Total area Reported	Area Monitored
1	A1	0	0	141.5	141.5	141.5	141.5
2	A2	845	845	176	176	1021	1021
3	A3	1800.1	1800.1	257	257	2057.1	2057.1
4	A4 (16-17)	2300	2300	0	0	2300	2300
5	B1	135	135	0	0	135	135
6	B2	5	5	0	0	5	5
Total		5085.1	5085.1	574.5	574.5	5659.6	5659.6

Table-1



Model wise area monitored

Abstract

- Total plantation area assigned for monitoring during the FY 2017-18 is 5659.6 ha for 1st year and 4th year plantation.
- Out of the 5085.1 ha. 2785.10 ha. plantation was raised under the model A2, A3, B1 & B2 during the year 2017-18.
- Out of the 5085.1 ha. 2300.00 ha. plantation was raised under the model A4.
- A total quantum of 1800.1 ha. of plantation under A3 model i.e. Plantation of Quick growing Small Timber, fuel and fodder Species was raised, which is 35.40% of the total plantation, during 2017-18.
- A2 model plantation which is plantation of Sal and Associates in South Bengal is 845 ha. which is 16.62% of the total plantation raised during 2017-18.
- During 2014-15, 574.5 ha. Plantation was raised under the model A1 (141.5 ha.), A2 (176 ha.) & A3 (257 ha.)

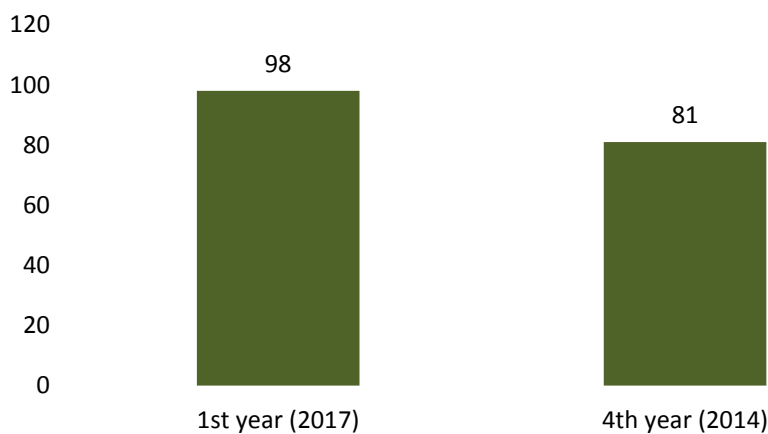
Overall WSP (1st & 4th year plantation)

Area in ha.

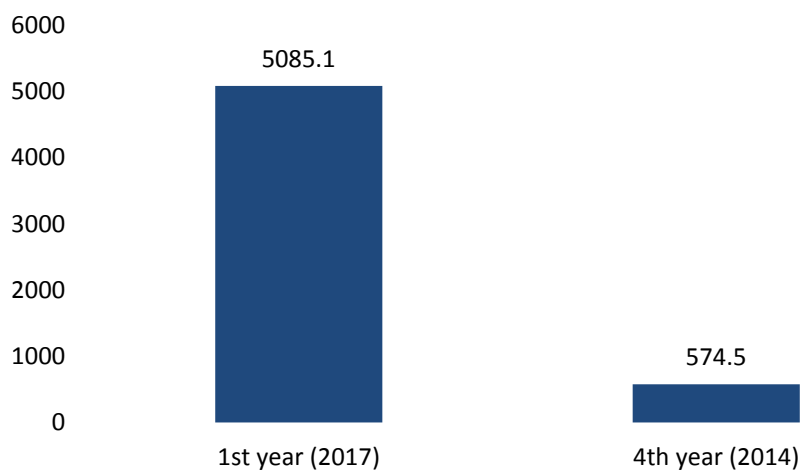
Plantation Year	Area	WSP except A4	Category	Year of Monitoring
1 st Year(2017)	5085.1	98	A	2017-18
4 th Year(2014)	574.5	81	A	

Table-2

Overall WSP



Area (1st & 4th year)

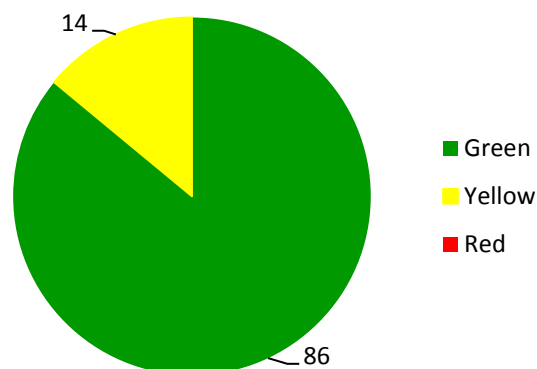


DMU wise Weighted Performance Score (1st year plantation, year-2017)

DMU	A2		A3		A4,16-17		B1		B2		Total Area(Ha)	DMU wise WSP except a4	DMU wise WPS Except A4
	Area	WSP	Area	WSP	Area	WSP	Area	WSP	Area	WSP			
Bankura (N)	60	99	300	100	450	100	-	-	-	-	810	99	91
Bankura (S)	60	99	200	99	400	100	-	-	-	-	660	99	90
Birbhum	10	100	45.1	99	40	100	-	-	-	-	95.1	99	87
Burdwan	30	98	100	97	150	100	-	-	-	-	280	98	85
Durgapur	-	-	50	99	-	-	-	-	-	-	50	99	91
Howrah	-	-	-	-	-	-	30	32	-	-	30	32	78
Jhargram	20	99	25	98	150	100	-	-	-	-	195	98	94
Khargapur	60	100	145	100	270	100	60	99	-	-	535	99	89
KNG (N)	20	100	125	96	-	-	-	-	-	-	145	97	73
KNG (S)	50	100	50	100	-	-	-	-	-	-	100	100	86
Midnapore	151	100	200	99	350	100	-	-	-	-	701	100	90
N & M	-	-	-	-	-	-	25	94	-	-	25	94	84
Panchet	125	100	300	99	60	100	-	-	-	-	485	100	91
Purulia	25	100	155	98	200	100	-	-	-	-	380	98	80
EFD	-	-	-	-	-	-	20	99	5	100	25	99	85
Rupnarayan	234	99	105	99	230	100	-	-	-	-	569	99	89
Total	845	100	1800.10	99	2300	100	135	83	5	100	5085	98	87

Table-3

Category of Plantation Based on Performance Score



Abstract

The quantum of plantation come under green zone is 86% which is based on weighted performance score.

The category C comes under yellow zone is 14%.

No. plantations in red zone that is alarming zone.

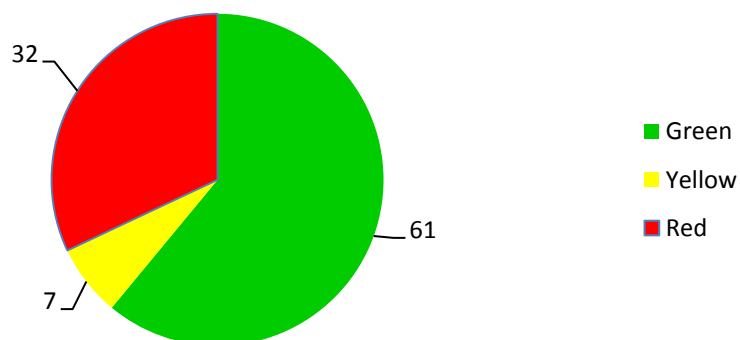
The best performance is shown by Jhargram division and scored 94.

DMU wise Weighted Performance Score (4th year plantation, year-2014)

DMU	A1		A2		A3		Total Area(Ha)	DMU wise WSP	DMU wise WPS
	Area	WSP	Area	WSP	Area	WSP			
Bankura (N)	20	91	-	-	-	-	20	91	61
Bankura (S)	20	89	-	-	-	-	20	89	76
Birbhum	5	96	10	86	30	89	45	89	74
Burdwan	15	77	-	-	-	-	15	77	53
Durgapur	5	76	-	-	-	-	5	76	44
Khargapur	26.5	86	10	70	32	98	68.5	89	74
KNG (N)	-	-	10	69	15	88	25	80	55
KNG (S)	-	-	91	65	60	57	151	62	33
Midnapore	15	91	50	90	90	95	155	93	88
Panchet	10	94	-	-	20	41	30	58	38
Rupnarayan	25	96	5	92	10	98	40	96	84
Total	141.5	89	176	75	257	81	574.5	81	64

Table-4

Category of Plantation Based on Performance Score



Abstract

The quantum of plantation come under green zone is 61% which is based on weighted performance score.

The category C comes under yellow zone is 7%.

32% of plantations in red zone that is alarming zone.

The best performance is shown by Midnapore divisions and scored 88.

Model & category wise 1st year & 4th year plantation based on WSP

1st year 2017

Area in ha.

Model	Total area monitored	Category-A: SP-90% and above		Category-B: SP 89% - 75%		Category-C: SP 74% - 50%		Category-D: SP < 50%	
		Area	% area	Area	% area	Area	% area	Area	% area
A2	845	845	100	-	-	-	-	-	-
A3	1800.1	1800.1	100	-	-	-	-	-	-
A4	2300	2300	100	-	-	-	-	-	-
B1	135	110	81	5	4	-	-	20	15
B2	5	5	100	-	-	-	-	-	-
Total	5085.1	5060.1	99.51	5	0.1	-	-	20	0.39

Table-5

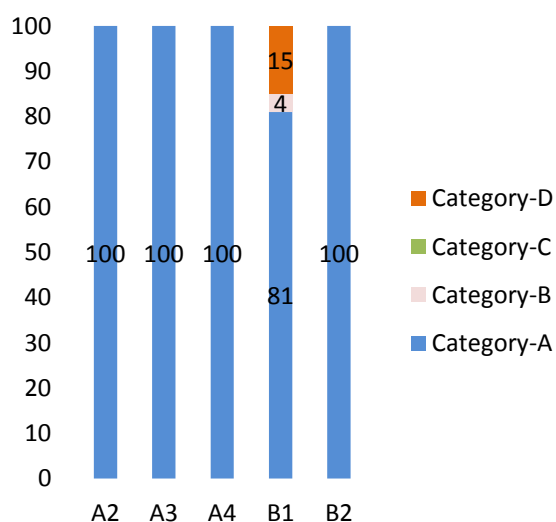
4th year 2014

Area in ha.

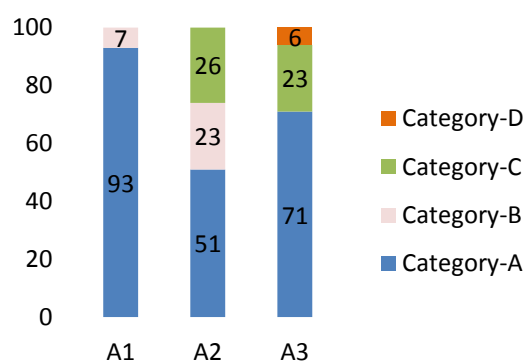
Model	Total area monitored	Category-A: SP-75% and above		Category-B: SP 74% - 60%		Category-C: SP 59% - 40%		Category-D: SP < 40%	
		Area	% area	Area	% area	Area	% area	Area	% area
A1	141.5	131.5	93	10	7	-	-	-	-
A2	176	90	51	40	23	46	26	-	-
A3	257	182	71	-	-	60	23	15	6
Total	574.5	403.5	70	50	9	106	18	15	3

Table-6

Model wise Category of Plantation 1st year



Model wise Category of Plantation 4th year



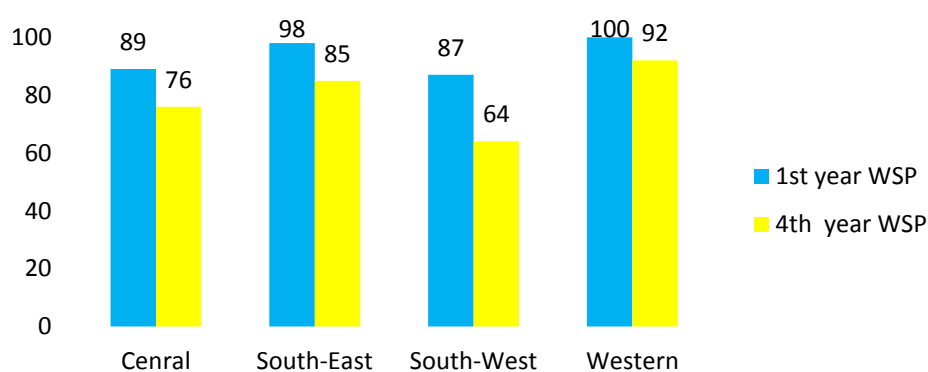
Change of WSP (WSP in 1st year and 4th year of 2014 plantation)

Area in Ha. & height in cm.

SL No.	Circle	DMU	Model	WSP in 1 st year monitoring (2014)	WSP in 4 th year monitoring (2017)	Change of WSP
1	Central	Bankura (N)	A1	87	91	4
2	Central	Bankura (S)	A1	90	89	-1
3	Central	Panchet	A1	96	94	-2
4	Central	Panchet	A3	87	41	-46
Total Central Circle				89	76	-13
5	South-East	Birbhum	A1	97	96	-1
6	South-East	Birbhum	A2	94	86	-8
7	South-East	Birbhum	A3	98	89	-9
8	South-East	Burdwan	A1	100	77	-23
9	South-East	Durgapur	A1	96	76	-20
Total South-East Circle				98	85	-13
10	South-West	KNG(N)	A2	81	69	-12
11	South-West	KNG(N)	A3	93	88	-5
12	South-West	KNG(S)	A2	90	65	-25
13	South-West	KNG(S)	A3	82	57	-25
Total South-West Circle				87	64	-23
14	Western	Kharagpur	A1	100	86	-14
15	Western	Kharagpur	A2	100	70	-30
16	Western	Kharagpur	A3	100	98	-2
17	Western	Midnapore	A1	100	91	-9
18	Western	Midnapore	A2	100	90	-10
19	Western	Midnapore	A3	100	95	-5
20	Western	Rupnarayan	A1	99	96	-3
21	Western	Rupnarayan	A2	100	92	-8
22	Western	Rupnarayan	A3	100	98	-2
Total Western Circle				100	92	-8
Grand Total				94	81	-13

Table -7

Circle wise change of weighted survival percentage, 1st year to 4th year



Model wise representation

1st year (2017), 4th year (2014) plantation

Model-A1

Area in ha. & height in cm.

DMU	1 st year				4 th year			
	Area	WSP	Height	SD	Area	WSP	Height	SD
Bankura (North)	-	-	-	-	20	91	462	0
Bankura (South)	-	-	-	-	20	89	453	4.24
Birbhum	-	-	-	-	5	96	426	0
Burdwan	-	-	-	-	15	77	459	0
Durgapur	-	-	-	-	5	76	488	0
Kharagpur	-	-	-	-	26.5	86	230	5.29
Midnapur	-	-	-	-	15	91	226	0
Panchet	-	-	-	-	10	94	464	0
Rupnarayan	-	-	-	-	25	96	229	3.54
Total	-	-	-	-	141.5	89	382	119.58

Table-8

1st year (2017), 4th year (2014) plantation

Model-A2

Area in ha. & height in cm.

DMU	1 st year				4 th year			
	Area	WSP	Height	SD	Area	WSP	Height	SD
Bankura North	60	99	81	13.45	-	-	-	-
Bankura South	60	99	68	13.7	-	-	-	-
Birbhum	10	100	77	0	10	86	164	0
Burdwan	30	98	76	5.74	-	-	-	-
Jhargram	20	99	73	0	-	-	-	-
Kangsabati North	20	100	56	2.83	10	69	227	0
Kangsabati South	50	100	49	10.61	91	65	172	81.55
Kharagpur	60	100	75	3.11	10	70	290	0
Midnapur	151	100	65	13.19	50	90	241	82.28
Panchet	125	100	86	26.58	-	-	-	-
Purulia	25	100	78	3.54	-	-	-	-
Rupnarayan	234	99	60	11.13	5	92	162	0
Total	845	100	70	17.54	176	75	209	72.79

Table-9

1st year (2017), 4th year (2014) plantation**Model-A3**

Area in ha. & height in cm.

DMU	1 st year				4 th year			
	Area	WSP	Height	SD	Area	WSP	Height	SD
Bankura North	300	100	100	13.91	-	-	-	-
Bankura South	200	99	92	13.48	-	-	-	-
Birbhum	45.1	99	94	5.2	30	89	377	49.5
Burdwan	100	97	104	11.99	-	-	-	-
Durgapur	50	99	103	13.87	-	-	-	-
Jhargram	25	98	70	0	-	-	-	-
Kangsabati North	125	96	62	8.42	15	88	234	0
Kangsabati South	50	100	66	19.88	60	57	365	79.94
Kharagpur	145	100	78	8.04	32	98	257	42.43
Midnapur	200	99	83	8.51	90	95	271	58.63
Panchet	300	99	111	16.14	20	41	145	31.11
Purulia	155	98	80	7.36	-	-	-	-
Rupnarayan	105	99	78	13.12	10	98	322	0
Total	1800.1	99	86	18.9	257	81	282	87

Table-10

1st year (2016-17) plantation**Model-A4**

Area in ha. & height in cm.

DMU	1 st year			
	Area	WSP	Height	SD
Bankura North	450	100	393	106.34
Bankura South	400	100	449	31.75
Birbhum	40	100	224	79.2
Burdwan	150	100	185	4.32
Jhargram	150	100	205	3.11
Kharagpur	270	100	309	18.34
Midnapur	350	100	315	19.21
Panchet	60	100	394	28.1
Purulia	200	100	516	67.41
Rupnarayan	230	100	317	35.26
Total	2300	100	330	94.43

Table-11

1st year (2017), 4th year (2014) plantation**Model-B1**

Area in ha. & height in cm.

DMU	1 st year				4 th year			
	Area	WSP	Height	SD	Area	WSP	Height	SD
Howrah	30	32	56	78.49	-	-	-	-
Kharagpur	60	99	66	6.34	-	-	-	-
Nadia-Murshidabad	25	94	103	17.26	-	-	-	-
Purulia Extension Forestry	20	99	82	2	-	-	-	-
Total	135	83	76.75	30.37	-	-	-	-

Table-12

1st year (2017), 4th year (2014) plantation**Model-B2**

Area in ha. & height in cm.

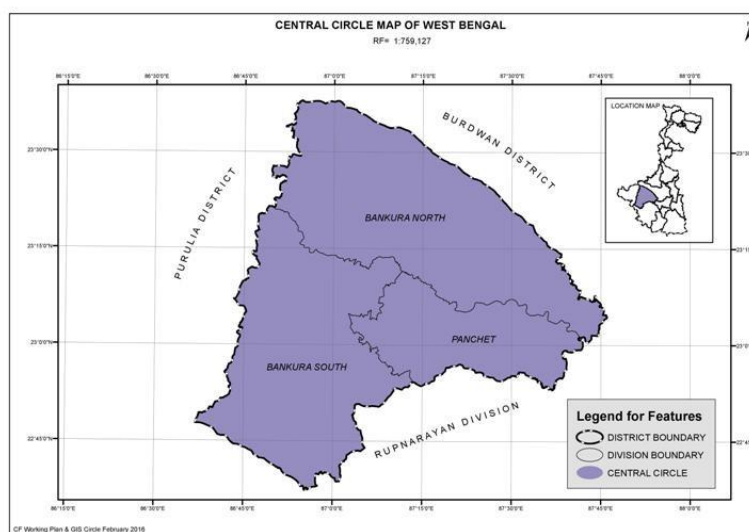
DMU	1 st year				4 th year			
	Area	WSP	Height	SD	Area	WSP	Height	SD
Purulia Extension Forestry	5	100	64	0	-	-	-	-
Total	5	100	64	0	-	-	-	-

Table-13



Area- 10 ha., DMU- Panchet FMU- Bishnupur, Beat - Heraparbat, Mouza- Basudevpur-107, Model-A1, Under- JICA, Year-2014.

Detail monitoring report of Central circle



Area- 15 ha., DMU- Bankura (North), FMU- Radhanagar, Beat - Balarampur, Mouza- Chuamosina-17, Model- A3, Under- JICA, Year-2017.

DMU

- Bankura North
- Bankura South
- Panchet

Model

- A1
- A2
- A3
- A4 (2016-17)

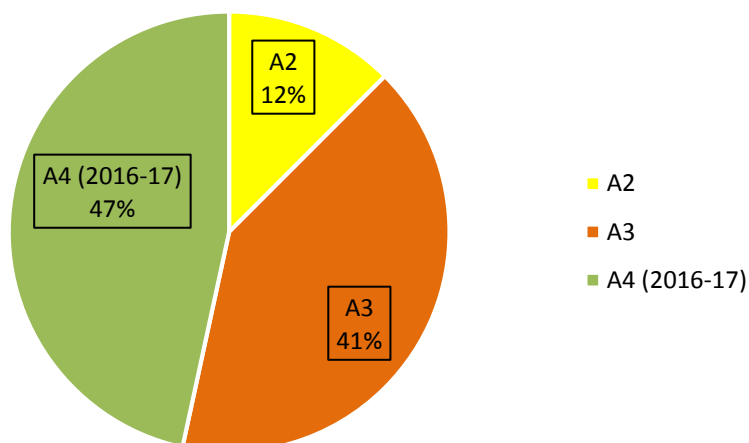
1st year (2017 Plantation) - DMU wise performance

Area in Ha. & height in cm.

DMU	A2			A3			A4 (2016-17)			Total Area	DMU wise WSP Except A4	DMU wise Average Height Except A4
	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height			
Bankura (N)	60	99	81	300	100	100.42	450	100	393.21	810	99	97.77
Bankura (S)	60	99	67.75	200	99	92.13	400	100	448.82	660	99	84
Panchet	125	100	86.27	300	99	110.67	60	100	394	485	100	101.41
Total	245	99.37	81.28	800	99.43	103.04	910	100	413.1	1955	99.41	96.83

Table -14

Model wise area share



Abstract

- Total area of the A2 model is 245 hectare. All the 3 DMUs have maintained a WSP 99.37%. The average height of the plantation is 81.28 cm.
- The area coverage of A3 model plantation is 800 hectare. In this model Bankura (North) Division achieved 100% WSP.
- Total area of the A4 (2016-17) model is 910 hectare. The average height of the plantation is 413.10 cm.

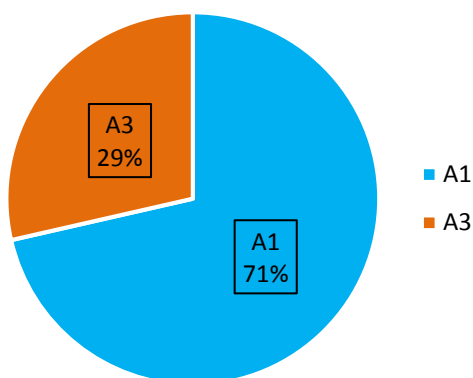
4th year (2014 Plantation)- DMU wise performance

Area in Ha. & height in cm.

DMU	A1			A2			A3			Total Area	DMU wise WSP	DMU wise Average Height
	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height			
Bankura (N)	20	91	462	-	-	-	-	-	-	20	91	462
Bankura (S)	20	89	453	-	-	-	-	-	-	20	89	453
Panchet	10	94	464	-	-	-	20	41	145	30	58	251
Total	50	90.8	458	-	-	-	20	41	145	70	76	354

Table -15

Model wise area share



Abstract

- A1 model was taken up by all 3 DMUs over the area of 50 ha. and maintained excellent performance with WSP 89 and above.
- 20 ha plantation raised in A3 model with WSP 41.
- Total plantation area monitored in this circle was 70 ha. for the year 2014 and overall WSP 76 and with a good average height of 354 cm.

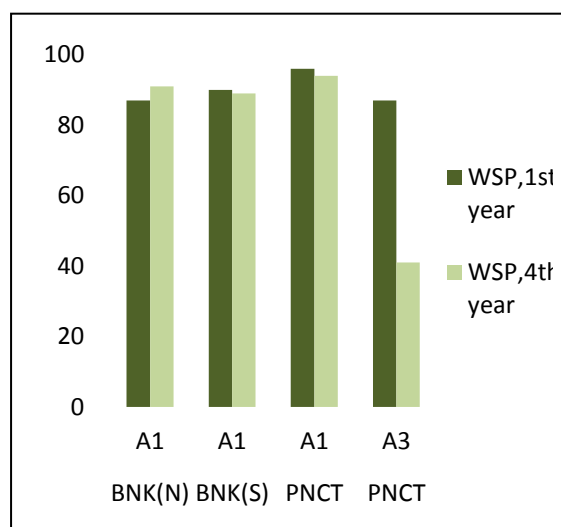
WSP over the Years

WSP in 1st & 4th Year (2014 plantation over 4 years)

Area in Ha. & height in cm.

SL No.	Circle	DMU	Model	WSP in 1 st year monitoring (2014)	WSP in 4 th year monitoring (2017)	% change of WSP
1	Central	BNK (N)	A1	87	91	4
2	Central	BNK (S)	A1	90	89	-1
3	Central	PNCT	A1	96	94	-2
4	Central	PNCT	A3	87	41	-46
Total Central Circle				89	76	-13

Table- 16



Category wise weighted survival% (except A4)- 1st year (2017 Plantation)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: SP-90% and above		Category-B: SP-89% - 75%		Category-C: SP 74% - 50%		Category-D: SP < 50%	
		Area	% area	Area	% area	Area	% area	Area	% area
Bankura (N)	360	360	100	-	-	-	-	-	-
Bankura (S)	260	260	100	-	-	-	-	-	-
Panchet	425	425	100	-	-	-	-	-	-
Central Circle	1045	1045	100	-	-	-	-	-	-

Table- 17

Category wise weighted survival%- 4thyear (2014 Plantation)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: SP-75% and above		Category-B: SP-74% - 60%		Category-C: SP 59% - 40%		Category-D: SP < 40%	
		Area	% area	Area	% area	Area	% area	Area	% area
Bankura (N)	20	20	100						
Bankura (S)	20	20	100						
Panchet	30	15	50					15	50
Central Circle	70	55	78.57					15	21.43

Table- 18

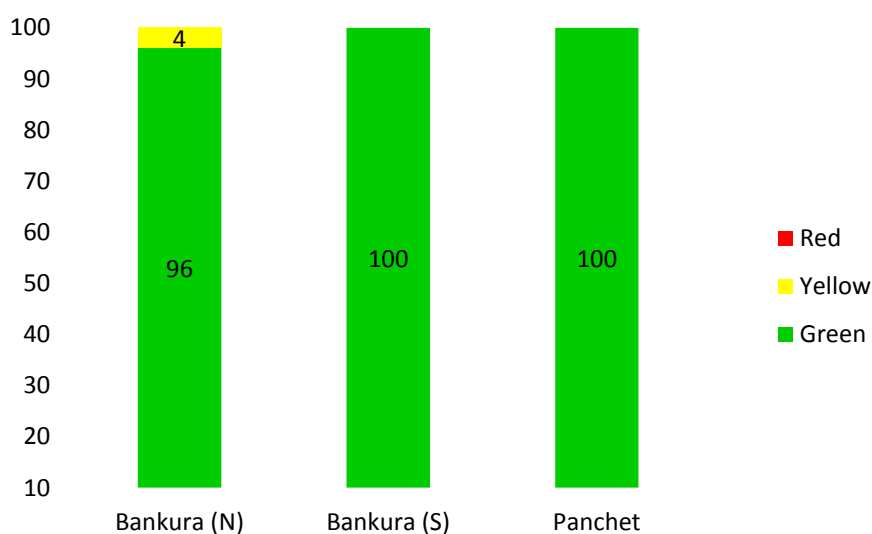
Circle performance at a glance except A4 (Performance Score, for 1st year, 2017)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: PS-> 85		Category-B: PS- 71-85		Category-C: PS- 46-70		Category-D: PS-31-45		Category-E: PS- <30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
Bankura (N)	360	345	96	-	-	15	4	-	-	-	-
Bankura (S)	260	220	85	40	15	-	-	-	-	-	-
Panchet	425	397	93	28	7	-	-	-	-	-	-
Central Circle	1045	962	92	68	7	15	1	-	-	-	-

Table-19

Circle Performance (PS)



Abstract

- In this circle out of 1045 hectare 1030 hectare of plantation comes under green zone, and 962 hectare of plantation scored more than 85.
- 15 hectare which is 1% of total plantation comes under yellow zone.
- No. plantation in this circle comes under red zone.
- 96% of plantation of Bankura (North) DMU scored more than 85.
- 85% of plantation of Bankura (South) DMU scored more than 85.
- 93% of plantation of Panchet DMU scored more than 85.

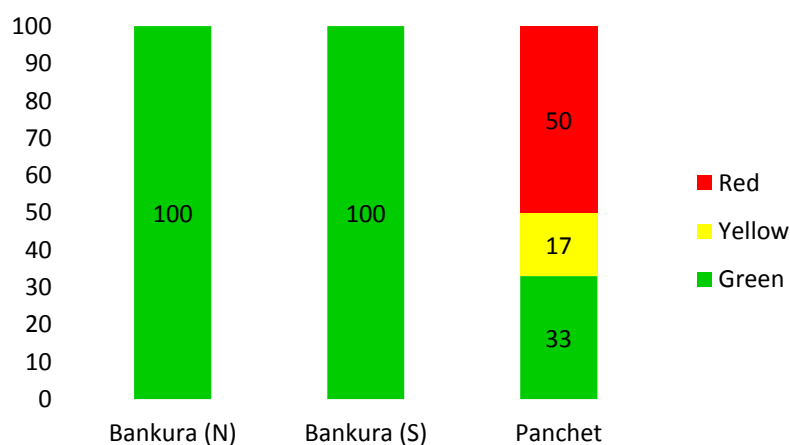
Circle performance at a glance (Performance Score, for 4th year, 2014)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: PS-> 75		Category-B: PS- 61-75		Category-C: PS- 46-60		Category-D: PS- 31-45		Category-E: PS- <30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
Bankura (N)	20	-	-	20	100	-	-	-	-	-	-
Bankura (S)	20	10	50	10	50	-	-	-	-	-	-
Panchet	30	-	-	10	33	5	17	-	-	15	50
Central Circle	70	10	14	40	57	5	7	-	-	15	22

Table-20

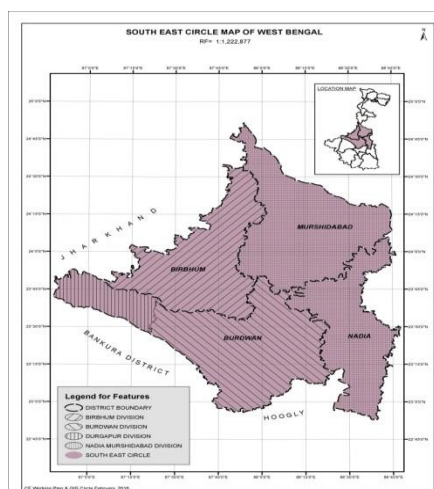
Circle Performance (PS)



Abstract

- In this circle out of 70 hectare 50 hectare of plantation comes under green zone, and 10 hectare of plantation scored more than 75.
- 5 hectare which is 7% of total plantation comes under yellow zone.
- 15 hectare which is 22% of total plantation comes under red zone.
- All plantation under Bankura (North) and Bankura (South) DMU is come under green zone.

Detail monitoring report of South East circle



Area- 20 ha., DMU- Burdwan, FMU- Panagarh, Beat- Khandari, Mouza- Khandari-80 & Balarampur-81, Model- A3, Under- JICA, Year- 2017.

Division

- Birbhum
- Burdwan
- Durgapur
- Nadia- Murshidabad

Model

- A1
- A2
- A3
- A4 (2016-17)
- B1

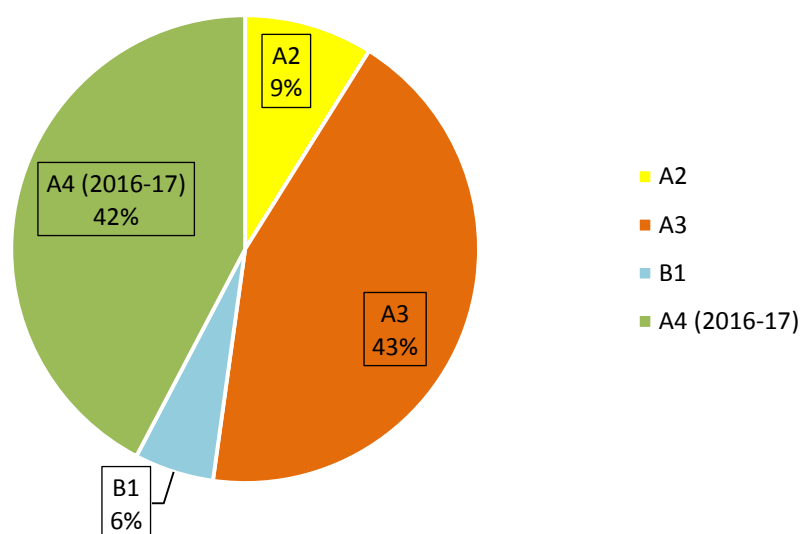
1st year (2017 Plantation)- DMU wise performance

Area in Ha. & height in cm.

DMU	A2			A3			B1			A4 (2016-17)			Total Area	DMU wise WSP Except A4	DMU wise Average Height Except A4
	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height			
Birbhum	10	100	77	45.1	99	93.5	-	-	-	40	100	224	95.1	99	90.2
Burdwan	30	98	76	100	97	104.2	-	-	-	150	100	185.2	280	98	91.44
Durgapur	-	-	-	50	99	103	-	-	-	-	-	-	50	99	103
N & M	-	-	-	-	-	-	25	94	103	-	-	-	25	94	102.6
Total	40	99	76	195.1	98	100.7	25	94	103	190	100	196.3	450.1	97.81	95.92

Table -21

Model wise area share



Abstract

- Total area of the A2 model is 40 hectare. Birbhum and Burdwan DMU maintained WSP 100 and 98 respectively.
- The WSP of A3 model plantation is also very good, which is 98%.
- Nadia-Murshidabad DMU raised 25 hectare plantation under B1 model and maintained WSP 94 % and good average height 104 cm.
- Total area of the A4 (2016-17) model is 190 hectare. The average height of the plantation is 196.3 cm.

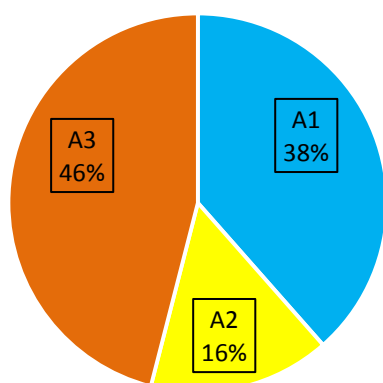
4th year (2014 Plantation)- DMU wise performance

Area in Ha. & height in cm.

DMU	A1			A2			A3			Total Area	DMU wise WSP	DMU wise Average Height
	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height			
Birbhum	5	96	426	10	86	164	30	89	377	45	89	336
Burdwan	15	77	459	-	-	-	-	-	-	15	77	459
Durgapur	5	76	488	-	-	-	-	-	-	5	76	488
Total	25	80.6	458	10	86	164	30	89	377	65	85	382

Table -22

Model wise area share



Abstract

- A1 model was taken up by all 3 DMUs over the area of 25 ha. and maintained overall WSP 80.6.
- 10 ha plantation raised in A2 model with WSP 86 by Birbhum DMU.
- 30 hectare of A3 plantation is raised by Birbhum DMU with WSP 89% and average height 377.
- Total plantation area monitored in this circle was 65 ha. for the year 2014 and overall WSP 85 and with a good average height of 382 cm.

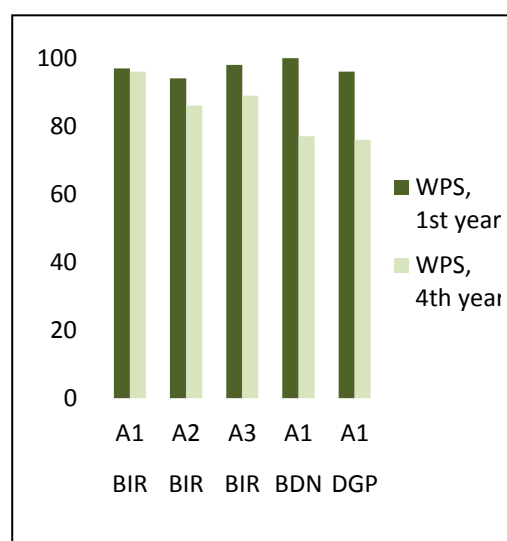
WSP over the Years

WSP in 1st & 4th Year (2014 plantation over 4 years)

Area in Ha. & height in cm.

SL No.	Circle	DMU	Model	WSP in 1 st year monitoring (2014)	WSP in 4 th year monitoring (2017)	% change of WSP
1	South-East	BIR	A1	97	96	-1
2	South-East	BIR	A2	94	86	-8
3	South-East	BIR	A3	98	89	-9
4	South-East	BDN	A1	100	77	-23
5	South-East	DGP	A1	96	76	-20
Total South-East Circle				98	85	-13

Table- 23



Category wise weighted survival% (except A4)- 1st year (2017 Plantation)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: SP- 90% and above		Category-B: SP- 89% - 75%		Category-C: SP 74% - 50%		Category-D: SP < 50%	
		Area	% area	Area	% area	Area	% area	Area	% area
Birbhum	55.1	55.1	100	-	-	-	-	-	-
Burdwan	130	130	100	-	-	-	-	-	-
Durgapur	50	50	100	-	-	-	-	-	-
N & M	25	20	80	5	20	-	-	-	-
South-East Circle	260.1	255.1	98.08	5	1.92	-	-	-	-

Table- 24

Category wise weighted survival%- 4th year (2014 Plantation)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: SP- 75% and above		Category-B: SP- 74% - 60%		Category-C: SP 59% - 40%		Category-D: SP < 40%	
		Area	% area	Area	% area	Area	% area	Area	% area
Birbhum	45	45	100	-	-	-	-	-	-
Burdwan	15	15	100	-	-	-	-	-	-
Durgapur	5	5	100	-	-	-	-	-	-
South-East Circle	65	65	100	-	-	-	-	-	-

Table- 25

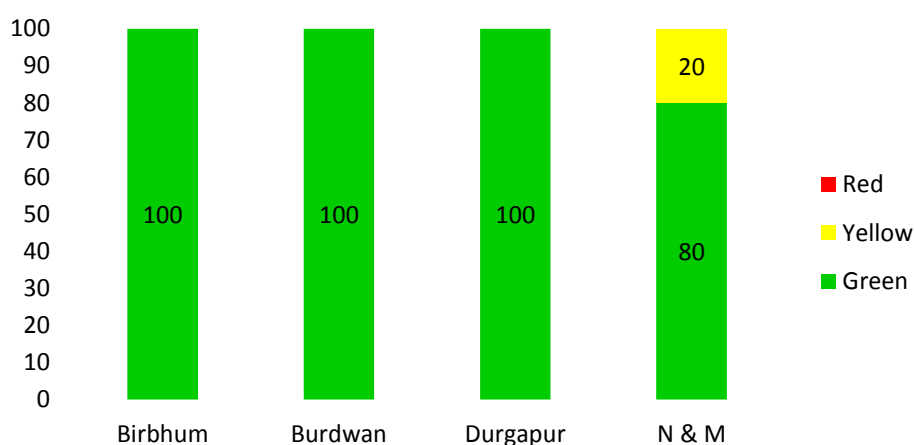
Circle performance at a glance except A4 (Performance Score, for 1st year, 2017)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: PS- > 85		Category-B: PS- 71-85		Category-C: PS- 46-70		Category-D: PS-31-45		Category-E: PS- <30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
Birbhum	55.1	40.1	73	15	27	-	-	-	-	-	-
Burdwan	130	57	44	73	56	-	-	-	-	-	-
Durgapur	50	50	100	-	-	-	-	-	-	-	-
N & M	25	15	60	5	20	5	20	-	-	-	-
South-East Circle	260.1	162.1	62	93	36	5	2	-	-	-	-

Table-26

Circle Performance (PS)



Abstract

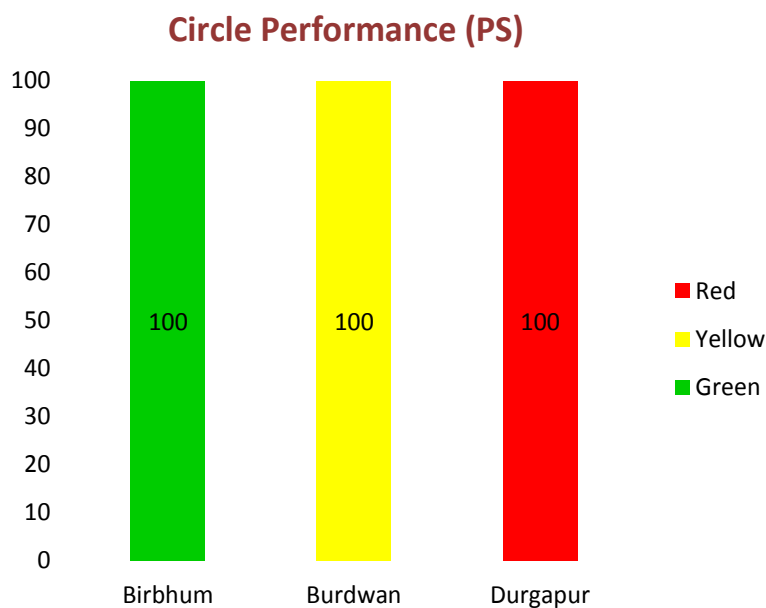
- In this circle out of 260.1 hectare 255.1 hectare of plantation comes under green zone, and 162.1 hectare of plantation scored more than 85.
- 5 hectare which is 2% of total plantation comes under yellow zone.
- No. plantation in this circle comes under red zone.
- 100% of plantation of Durgapur DMU scored more than 85.

Circle performance at a glance (Performance Score, for 4th year, 2014)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: PS-> 75		Category-B: PS- 61-75		Category-C: PS- 46-60		Category-D: PS- 31-45		Category-E: PS- <30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
Birbhum	45	15	33	30	67	-	-	-	-	-	-
Burdwan	15	-	-	-	-	15	100	-	-	-	-
Durgapur	5	-	0	-	0	-	-	5	100	-	-
South-East Circle	65	15	23	30	46	15	23	5	8	-	-

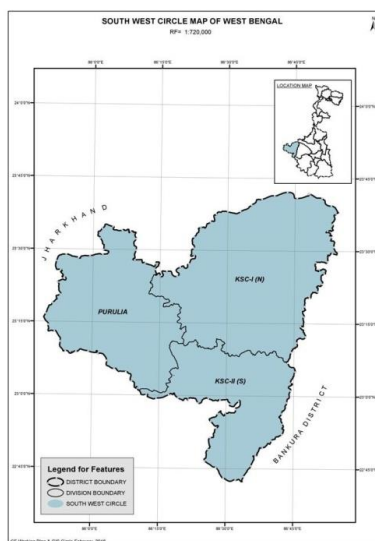
Table-27



Abstract

- In this circle out of 65 hectare 45 hectare of plantation comes under green zone, and 15 hectare of plantation scored more than 75.
- 15 hectare which is 23% of total plantation comes under yellow zone.
- 5 hectare which is 8% of total plantation comes under red zone.
- All plantation under Birbhum DMU is come under green zone.

Detail monitoring report of South West circle



Area-20 ha., DMU- Kangsabati (South), FMU – Manbazar-1, Beat- Sindurpur, Mouza- Kumardih, Model- A2, Under- JICA, Year- 2014.

DMU

- Purulia
- Kangsabati (North)
- Kangsabati (South)
- Extension Forestry Division, Purulia

Model

- A1
- A2
- A3
- A4 (2016-17)
- B1
- B2

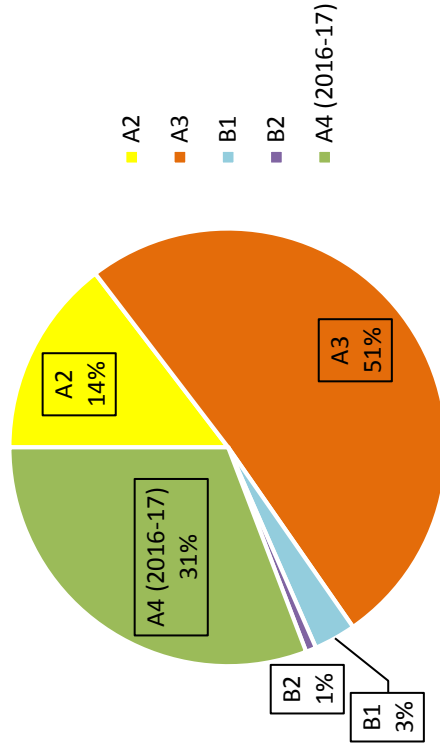
1st year (2017 Plantation) - DMU wise performance

Area in Ha. & height in cm.

DMU	A2			A3			B1			B2			A4 (2016-17)			Total Area	DMU wise WSP Except A4	DMU wise Average Height Except A4
	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height			
KNG (N)	20	100	56	125	96	62.38	-	-	-	-	-	-	-	-	-	145	97	61.1
KNG (S)	50	100	48.5	50	100	65.67	-	-	-	-	-	-	-	-	-	100	100	58.8
Purulia	25	100	77.5	155	98	79.88	-	-	-	-	-	-	200	100	515.7	380	98	79.4
EFD	-	-	-	-	-	-	20	99	82	5	100	64	-	-	-	25	99	77.5
Total	95	100	60.7	330	98	70.26	20	99	82	5	100	64	200	100	515.7	650	98.24	69.28

Table -28

Model wise area share



Abstract

- Total area of the A2 model is 95 hectare. All DMUs except Purulia Extension Forestry maintained WSP 100.
- The WSP of A3 model plantation is also very good, which is 98%.
- Purulia Extension Forestry DMU raised 20 hectare plantation under B1 model and maintained WSP 99 %.
- Purulia Extension Forestry DMU also raised 5 hectare plantation under B2 model and maintained WSP 100 %.
- Total area of the A4 (2016-17) model is 200 hectare raised by Purulia DMU and the average height of the plantation is 515.7 cm.

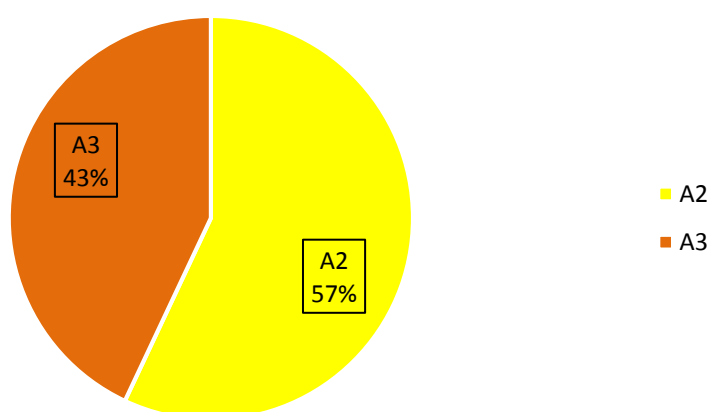
4th year (2014 Plantation) - DMU wise performance

Area in Ha. & height in cm.

DMU	A1			A2			A3			Total Area	DMU wise WSP	DMU wise Average Height
	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height			
KNG (N)	-	-	-	10	69	227	15	88	234	25	80	230
KNG (S)	-	-	-	91	65	172	60	57	365	151	62	255
Total	-	-	-	101	66	183	75	63	332	176	64	249

Table -29

Model wise area share



Abstract

- A2 model was taken up by all 2 DMUs over the area of 101 ha. and maintained overall WSP 66% and average height 183.
- 75 hectare of A3 plantation is raised by all 2 DMUs with WSP 63% and average height 332.
- Total plantation area monitored in this circle was 176 ha. for the year 2014 and overall WSP 64 and with a good average height of 249 cm.

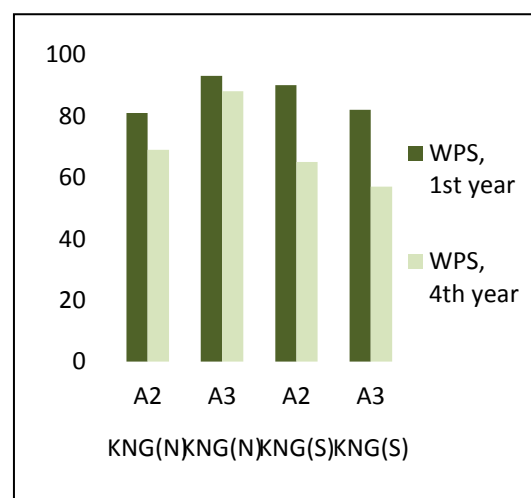
WSP over the Years

WSP in 1st & 4th Year (2014 plantation over 4 years)

Area in Ha. & height in cm.

SL No.	Circle	DMU	Model	WSP in 1 st year monitoring (2014)	WSP in 4 th year monitoring (2017)	% change of WSP
1	South-West	KNG(N)	A2	81	69	-12
2	South-West	KNG(N)	A3	93	88	-5
3	South-West	KNG(S)	A2	90	65	-25
4	South-West	KNG(S)	A3	82	57	-25
Total South-West Circle				87	64	-23

Table- 30



Category wise weighted survival% (except A4)- 1st year (2017 Plantation)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: SP- 90% and above		Category-B: SP- 89% - 75%		Category-C: SP 74% - 50%		Category-D: SP < 50%	
		Area	% area	Area	% area	Area	% area	Area	% area
Kangsabati (N)	145	145	100	-	-	-	-	-	-
Kangsabati (S)	100	100	100	-	-	-	-	-	-
Purulia	180	180	100	-	-	-	-	-	-
EFD	25	25	100	-	-	-	-	-	-
South-West Circle	450	450	100	-	-	-	-	-	-

Table- 31

Category wise weighted survival%- 4thyear (2014 Plantation)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: SP- 75% and above		Category-B: SP-74% - 60%		Category-C: SP 59% - 40%		Category-D: SP < 40%	
		Area	% area	Area	% area	Area	% area	Area	% area
Kangsabati (N)	25	15	60	10	40	-	-	-	-
Kangsabati (S)	151	25	16.55	20	13.25	106	70.2	-	-
South-West Circle	176	40	22.75	30	17.05	106	60.2	-	-

Table- 32

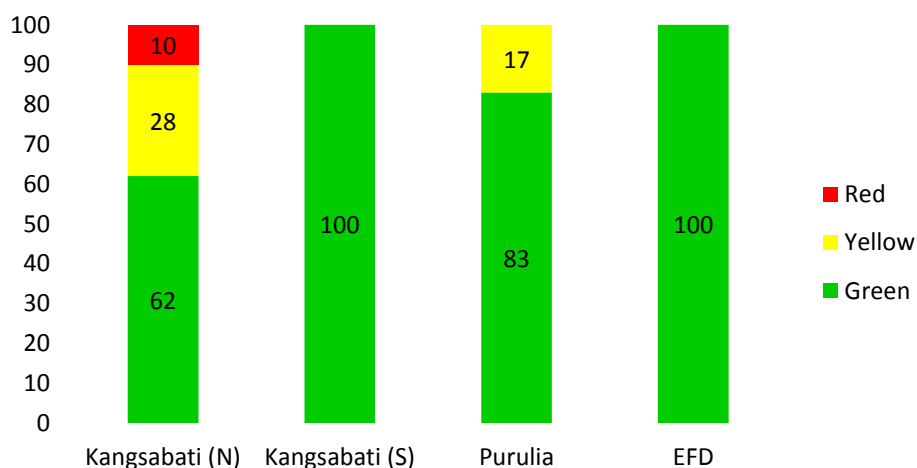
Circle performance at a glance except A4 (Performance Score, for 1st year, 2017)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: PS-> 85		Category-B: PS- 71-85		Category-C: PS-46-70		Category-D: PS-31-45		Category-E: PS- <30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
Kangsabati (N)	145	30	21	60	41	40	28	15	10	-	-
Kangsabati (S)	100	90	90	10	10	-	-	-	-	-	-
Purulia	180	56	31	94	52	30	17	-	-	-	-
EFD	25	8	32	17	68	-	-	-	-	-	-
South-West Circle	450	184	41	181	40	70	16	15	3	-	-

Table-33

Circle Performance (PS)



Abstract

- In this circle out of 450 hectare 365 hectare of plantation comes under green zone, and 184 hectare of plantation scored more than 85.
- 70 hectare which is 16% of total plantation comes under yellow zone.
- 15 hectare which is 3% of total plantation comes under red zone.
- 90% of plantation of Kangsabati (South) DMU scored more than 85.

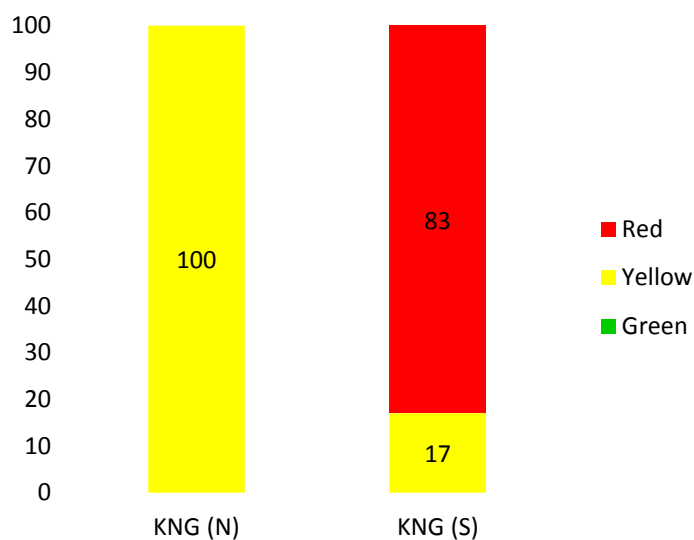
Circle performance at a glance (Performance Score, for 4th year, 2014)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: PS-> 75		Category-B: PS- 61-75		Category-C: PS- 46-60		Category-D: PS- 31-45		Category-E: PS-<30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
KNG (N)	25	-	-	-	-	25	100				
KNG (S)	151	-	-	-	-	25	17	66	43	60	40
South-West Circle	176	-	-	-	-	50	28	66	38	60	34

Table-34

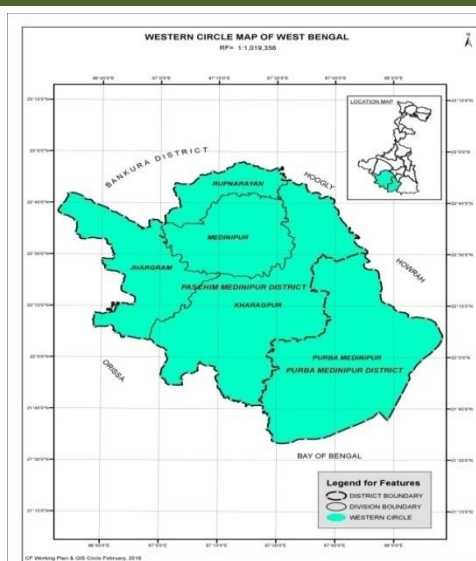
Circle Performance (PS)



Abstract

- In this circle out of 176 hectare 50 hectare of plantation comes under yellow zone, and 126 hectare comes under red zone.
- All plantation under Kangsabati (North) DMU is come under yellow zone.
- No. plantation in this circle comes under green zone.

Detail monitoring report of Western circle



Area-5 ha., DMU- Midnapore, FMU & Beat- Bhadutala, Mouza- Khas Jangal – 513, Model- A2, Under-JICA, Year-2017.

DMU

- Jhargram
- Khargapur
- Midnapore
- Rupnarayan

Model

- A1
- A2
- A3
- A4 (2016-17)
- B1

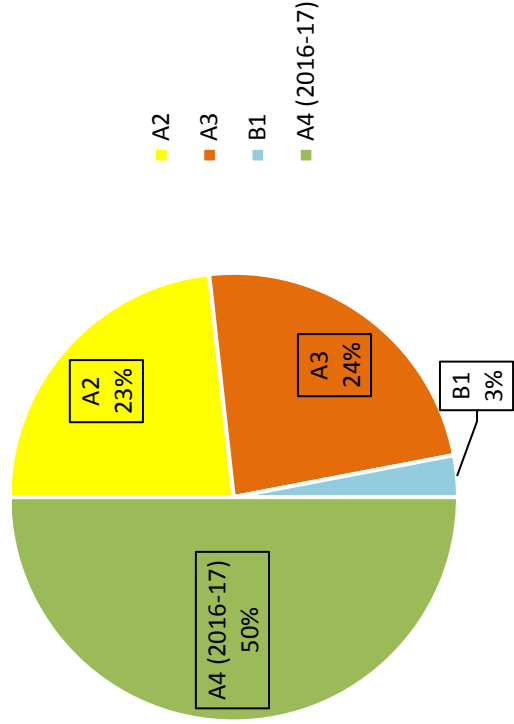
1st year (2017 Plantation)- DMU wise performance

Area in Ha. & height in cm.

DMU	A2			A3			B1			A4 (2016-17)			Total Area	DMU wise WSP Except A4	DMU wise Average Height Except A4
	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height			
Jhargram	20	99	73	25	98	70	-	-	-	150	100	205	195	98	71.5
Khargapur	60	100	75	145	100	78	60	99	66	270	100	309.22	535	99	73.79
Midnapore	151	100	65	200	99	83	-	-	-	350	100	315.42	701	100	74.22
Rupnarayan	234	99	60	105	99	78	-	-	-	230	100	316.94	569	99	68.31
Total	465	99.58	63.97	475	99.37	80.03	60	99	66	1000	100	309.93	2000	99.42	71.68

Table -35

Model wise area share



Abstract

- Total area of the A2 model is 465 hectare. All the 4 DMUs have maintained a WSP 99.58%. The average height of the plantation is 63.97 cm.
- The WSP of A3 model plantation is also very good, which is 99.37%.
- Khargapur raised 60 hectare plantation under B1 model and maintained WSP 99 %.
- Total area of the A4 (2016-17) model is 1000 hectare raised by all the 4 DMUs and the average height of the plantation is 309.93 cm.

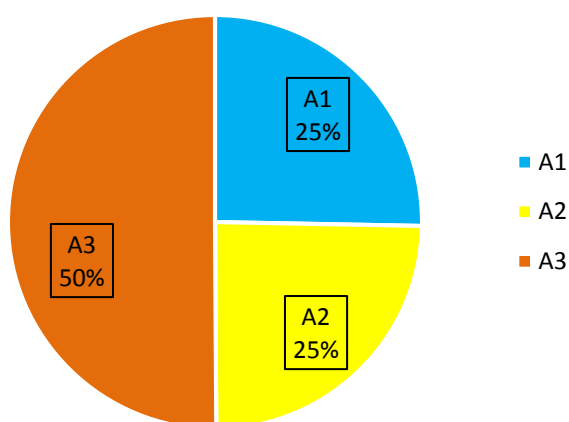
4th year (2014 Plantation)- DMU wise performance

Area in Ha. & height in cm.

DMU	A1			A2			A3			Total Area	DMU wise WSP	DMU wise Average Height
	Area	WSP	Height	Area	WSP	Height	Area	WSP	Height			
Khargapur	26.5	86	230	10	70	290	32	98	257	68.5	89	249
Midnapore	15	91	226	50	90	241	90	95	271	155	93	256
Rupnarayan	25	96	228.5	5	92	162	10	98	322	40	96	235
Total	66.5	90.8	228	65	87.08	235	132	95.55	274	263.5	92	249.47

Table -36

Model wise area share



Abstract

- A1 model was taken up by all 3 DMUs over the area of 66.5 hectare and maintained excellent performance with WSP 86 and above.
- Total area of the A2 model is 65 hectare. All the 3 DMUs have maintained a overall WSP 87.08%. The average height of the plantation is 235 cm.
- 132 hectare plantation raised in A3 model with WSP 95.55%.
- Total plantation area monitored in this circle was 274 ha. for the year 2014 and maintained excellent performance with overall WSP 92 and with a good average height of 249.47 cm.

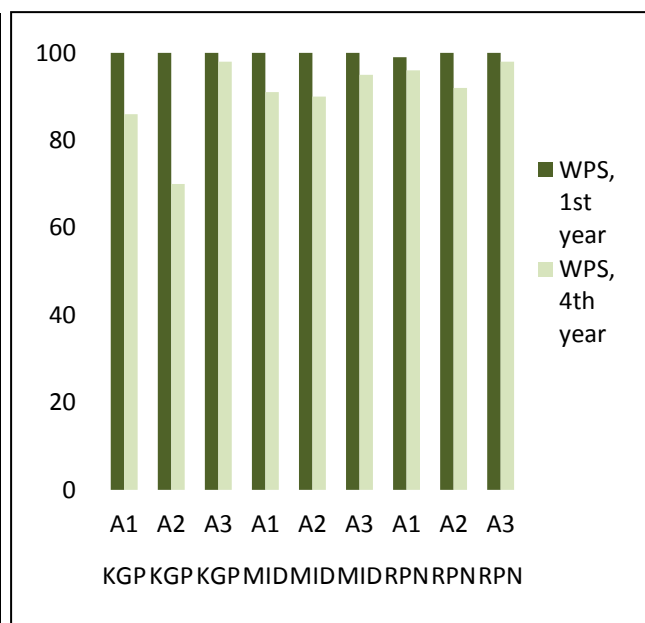
WSP over the Years

WSP in 1st & 4th Year (2014 plantation over 4 years)

Area in Ha. & height in cm.

SL No.	Circle	DMU	Model	WSP in 1 st year monitoring (2014)	WSP in 4 th year monitoring (2017)	% change of WSP
1	Western	KGP	A1	100	86	-14
2	Western	KGP	A2	100	70	-30
3	Western	KGP	A3	100	98	-2
4	Western	MID	A1	100	91	-9
5	Western	MID	A2	100	90	-10
6	Western	MID	A3	100	95	-5
7	Western	RPN	A1	99	96	-3
8	Western	RPN	A2	100	92	-8
9	Western	RPN	A3	100	98	-2
Total Western Circle				100	92	-8

Table- 37



Category wise weighted survival% (except A4)- 1st year (2017 Plantation)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: SP- 90% and above		Category-B: SP- 89% - 75%		Category-C: SP 74% - 50%		Category-D: SP < 50%	
		Area	% area	Area	% area	Area	% area	Area	% area
Jhargram	45	45	100	-	-	-	-	-	-
Kharagpur	265	265	100	-	-	-	-	-	-
Midnapur	351	351	100	-	-	-	-	-	-
Rupnarayan	339	339	100	-	-	-	-	-	-
Western Circle	1000	1000	100	-	-	-	-	-	-

Table- 38

Category wise weighted survival%- 4th year (2014 Plantation)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: SP- 75% and above		Category-B: SP-74% - 60%		Category-C: SP 59% - 40%		Category-D: SP < 40%	
		Area	% area	Area	% area	Area	% area	Area	% area
Kharagpur	68.5	48.5	70.8	20	29.2	-	-	-	-
Midnapur	155	155	100	-	-	-	-	-	-
Rupnarayan	40	40	100	-	-	-	-	-	-
Western Circle	263.5	243.5	92.41	20	7.59	-	-	-	-

Table- 39

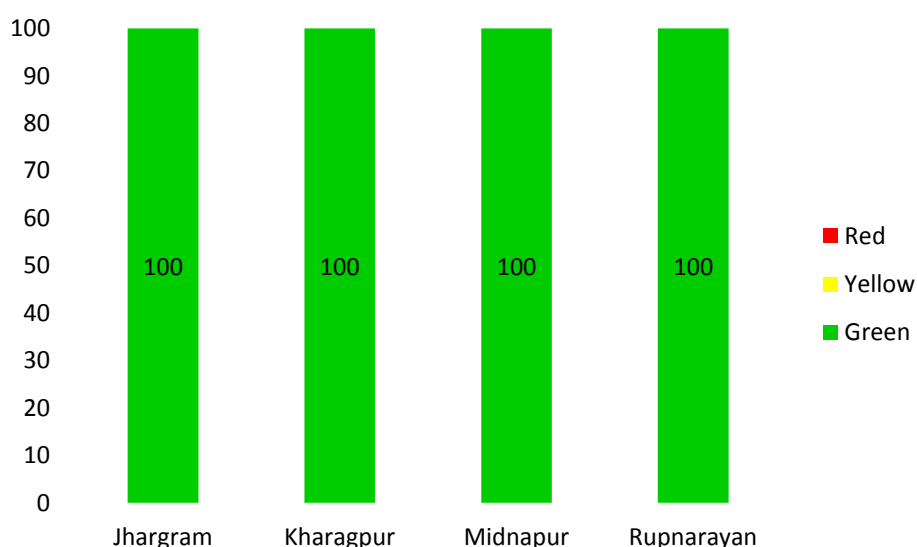
Circle performance at a glance except A4 (Performance Score, for 1st year, 2017)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: PS- > 85		Category-B: PS- 71-85		Category-C: PS-46-70		Category-D: PS-31-45		Category-E: PS- <30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
Jhargram	45	45	100	-	-	-	-	-	-	-	-
Kharagpur	265	225	85	40	15	-	-	-	-	-	-
Midnapur	351	299	85	52	15	-	-	-	-	-	-
Rupnarayan	339	206.26	61	132.74	39	-	-	-	-	-	-
Western Circle	1000	775.26	78	224.74	22	-	-	-	-	-	-

Table-40

Circle Performance (PS)



Abstract

- In this circle out of 1000 hectare 1000 hectare of plantation comes under green zone, and 775.26 hectare of plantation scored more than 85.
- No. plantation in this circle comes under yellow zone and red zone.
- 100% of plantation of Jhargram DMU scored more than 85.

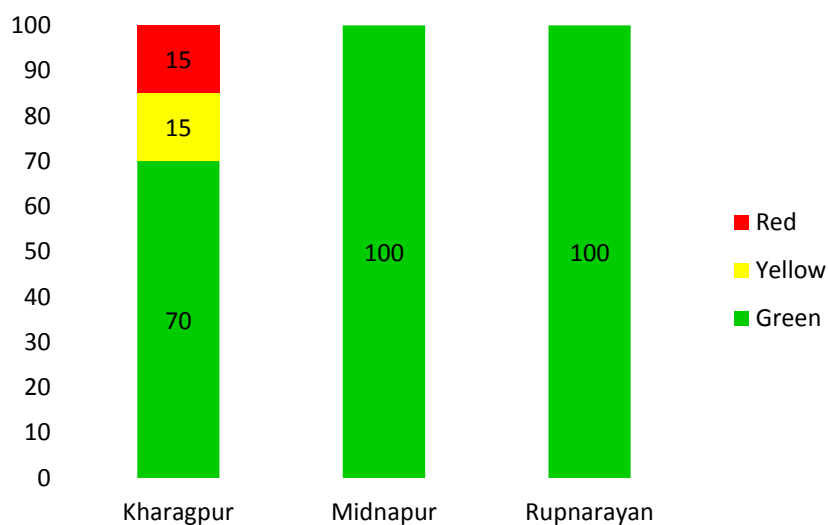
Circle performance at a glance (Performance Score, for 4th year, 2014)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: PS- > 75		Category-B: PS- 61-75		Category-C: PS- 46-60		Category-D: PS- 31-45		Category-E: PS- <30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
Kharagpur	68.5	43.5	64	5	6	10	15	10	15	-	-
Midnapur	155	135	87	20	13	-	-	-	-	-	-
Rupnarayan	40	30	75	10	25	-	-	-	-	-	-
Western Circle	263.5	208.5	79	35	13	10	4	10	4	-	-

Table-41

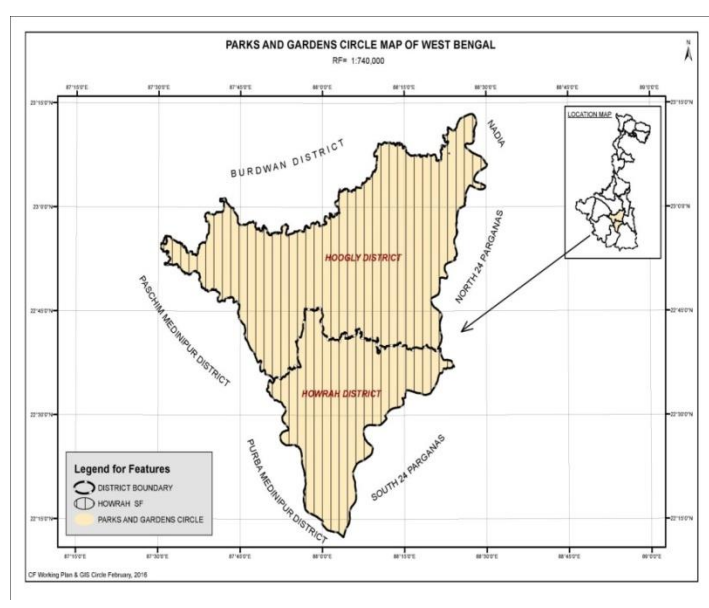
Circle Performance (PS)



Abstract

- In this circle out of 263.5 hectare 243.5 hectare of plantation comes under green zone, and 208.5 hectare of plantation scored more than 75.
- 10 hectare which is 4% of total plantation comes under yellow zone and also red zone.
- All plantation under Midnapore DMU and Rupnarayan DMU is come under green zone.

Detail monitoring report of Parks & Gardens circle



Area-5 ha., DMU- Nadia & Murshidabad, FMU – Berhampore North, Mouza- Shibpur, Dafarpur, Rainda, Model- B1, Under- JICA, Year- 2017.

DMU

- Howrah

Model

- B1

1st year (2017 Plantation)- DMU wise performance

Area in Ha. & height in cm.

DMU	B1			Total Area	DMU wise WSP	DMU wise Average Height
	Area	WSP	Height			
Howrah	30	32	55.5	30	32	55.5
Total	30	32	55.5	30	32	55.5

Table -42

Abstract

- In this circle Howrah division raised 30 ha. B1 Plantation with WSP 32 and height 53.5 cm.

WSP over the Years

WSP in 1st&4th Year (2014 plantation over 4 years)

NO plantation in the year 2014 at this circle.

Category wise weighted survival% (except A4)- 1st year (2017 Plantation)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: SP- 90% and above		Category-B: SP- 89% - 75%		Category-C: SP 74% - 50%		Category-D: SP < 50%	
		Area	% area	Area	% area	Area	% area	Area	% area
Howrah	30	10	33.4	-	-	-	-	20	66.6
Parks & Gardens Circle	30	10	33.4	-	-	-	-	20	66.6

Table- 43

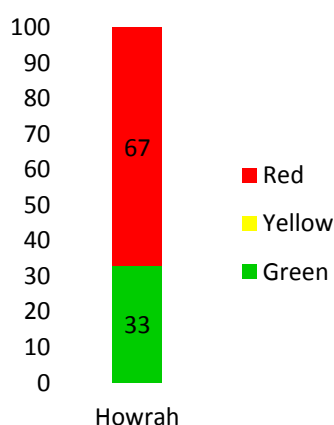
Circle performance at a glance except A4 (Performance Score, for 1st year, 2017)

Area in Ha. & height in cm.

DMU	Total area monitored	Category-A: PS-> 85		Category-B: PS- 71-85		Category-C: PS-46-70		Category-D: PS-31-45		Category-E: PS- <30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
Howrah	30	-	-	10	33	-	-	-	-	20	67
Parks & Gardens Circle	30	-	-	10	33	-	-	-	-	20	67

Table- 44

Circle Performance (PS)



Abstract

- This circle raised 30 hectare plantation and 33% plantation is in green zone and 67% plantation is in red zone.

Inter Circle Performance at a glance except A4 (2016-17) (PS)

(For 1st year, 2017)

Area in Ha.

Circle	Total area monitored	Category-A: PS-> 85		Category-B: PS- 71-85		Category-C: PS-46-70		Category-D: PS-31-45		Category-E: PS- <30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
Central	1045	962	92	68	7	15	1	-	-	-	-
P&G	30	-	-	10	33	-	-	-	-	20	67
South East	260.1	162.1	62	93	36	5	2	-	-	-	-
South West	450	174	39	191	42	70	16	15	3	-	-
Western	1000	775.26	78	224.74	22	-	-	-	-	-	-
All Circle	2785.1	2073.36	74	586.74	21	90	3	15	1	20	1

Table-45

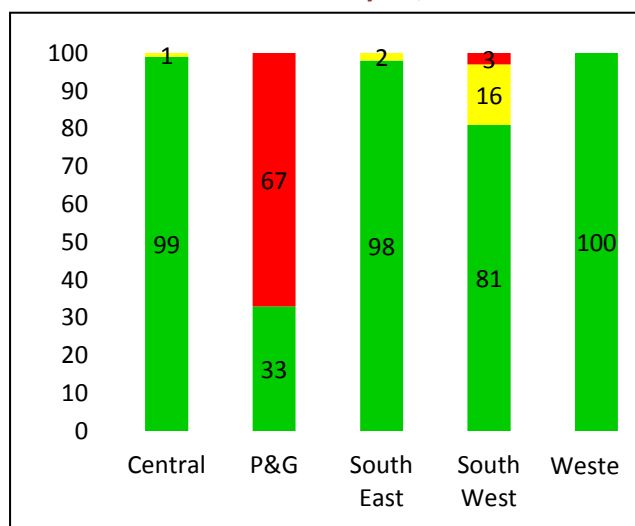
(For 4th year, 2014)

Area in Ha.

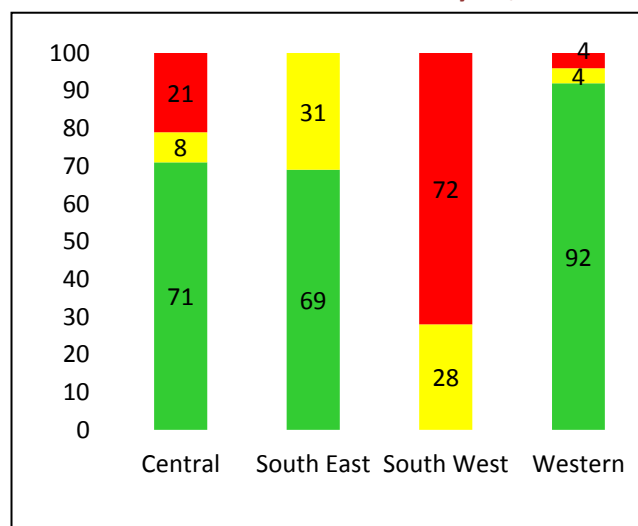
Circle	Total area monitored	Category-A: PS-> 75		Category-B: PS- 61-74		Category-C: PS-46-60		Category-D: PS-31-45		Category-E: PS- <30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
Central	70	10	14	40	57	5	8	-	-	15	21
South East	65	15	23	30	46	20	31	-	-	-	-
South West	176	-	-	-	-	50	28	66	38	60	34
Western	263.5	208.5	79	35	13	10	4	10	4	-	-
All Circle	574.5	233.5	41	105	18	85	15	76	13	75	13

Table-46

Circle Performance for 1st year, 2017



Circle Performance for 4th year, 2014

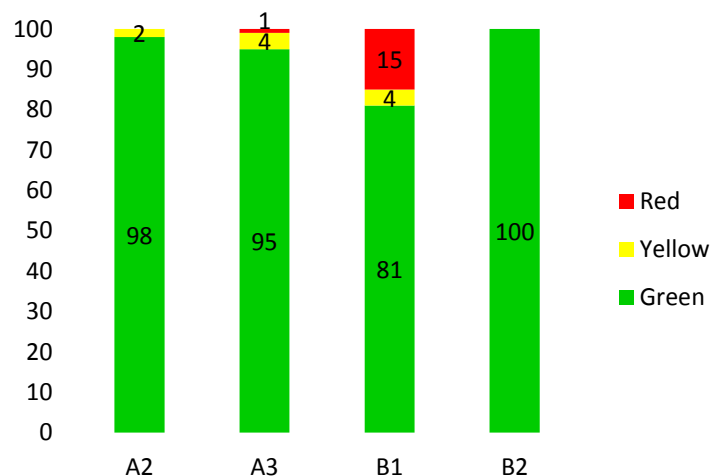


Model wise category of plantation 2017

Area in Ha. & height in cm.

Model	Total area monitored	Category-A: PS-> 85		Category-B: PS- 71-85		Category-C: PS-46-70		Category-D: PS-30-45		Category-E: PS-<30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
A2	845	671	79	159	19	15	2		0		0
A3	1800.1	1339.36	74	375.74	21	70	4	15	1		0
B1	135	63	46	47	35	5	4		0	20	15
B2	5	0	0	5	100		0		0		0
Total	2785.1	2073.36	74	586.74	21	90	3	15	1	20	1

Table- 47

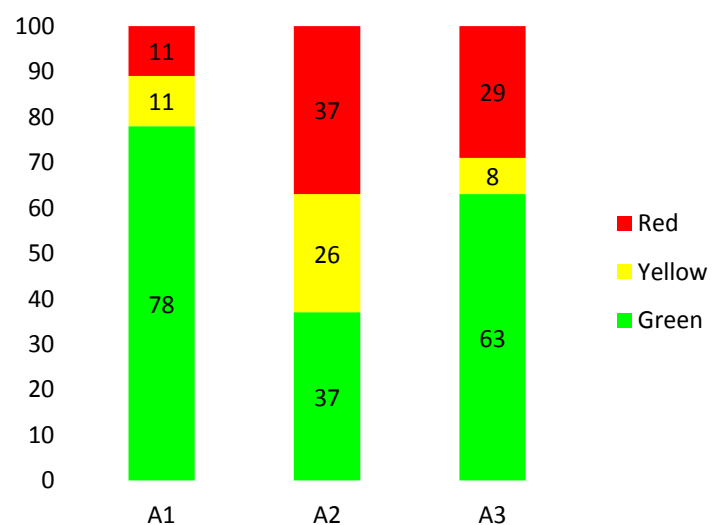


Model wise category of plantation 2014

Area in Ha. & height in cm.

Model	Total area monitored	Category-A: PS-> > 75		Category-B: PS- 61-75		Category-C: PS- 46-60		Category-D: PS- 30-45		Category-E: PS-<30	
		Area	% area	Area	% area	Area	% area	Area	% area	Area	% area
A1	141.5	56.5	40	55	38	15	11	15	11		0
A2	176	35	20	30	17	45	26	66	37		0
A3	257	142	55	20	8	20	8		0	75	29
Total	574.5	233.5	41	105	18	80	14	81	14	75	13

Table- 48



Detail monitoring data, 1st year, 2017 plantation

Area in Ha. & height in cm

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hect.	Remarks
A2	Central	Bankura North	Radhanagar	Radhanagar	Bankati-45, Radhanagar-43	15.00	100	23°10'03.4"	087°18'44.1"	66	30.11.17	65	C	Good	498	
A2	Central	Bankura North	Radhanagar	Bhora	Bhora-24	5.00	100	23°10'09.6"	087°22'50.6"	92	30.11.17	87	A	Excellent	504	
A2	Central	Bankura North	Beliatore	Kundulia	Siara-204	40.00	99	23°12'14.5"	087°14'25.9"	85	28.11.17, 29.11.17	92	A	Excellent	503	
A3	Central	Bankura North	Barjora	Barjora	Saharjora-26, Deucha-42	15.00	99	23°24'17.3"	087°14'58.8"	90	13.12.17	86	A	Excellent	500	
A3	Central	Bankura North	Barjora	Shitla	Monoharbari-36, Kochkunda-32	10.00	100	23°23'02.1"	087°12'22.3"	76	12.12.17	86	A	Excellent	502	
A3	Central	Bankura North	Patrasayer	Kushudeep	Satgechia-135	15.00	100	23°10'17.5"	087°26'40.3"	95	16.12.17	95	A	Excellent	503	
A3	Central	Bankura North	Sonamukhi	Indkata	Rajdaha-121	30.00	100	23°15'51.5"	087°37'37.1"	82	01.12.17	95	A	Excellent	502	
A3	Central	Bankura North	Radhanagar	Radhanagar	Radhanagar-43, Banskopa	25.00	99	23°10'11.5"	087°19'20.3"	89	03.12.17	90	A	Excellent	499	
A3	Central	Bankura North	Radhanagar	Balarampur	Radhakrishnapur- 168, Patharmora-170	14.00	100	23°14'25.4"	087°22'25.8"	97	18.12.17	94	A	Excellent	501	
A3	Central	Bankura North	Radhanagar	Balarampur	Chuamusina-17	10.00	100	23°11'14.6"	087°20'10.9"	103	02.12.17	94	A	Excellent	505	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A3	Central	Bankura North	Radhanagar	Balarampur	Chuamusina-17	15.00	100	23°11'58.7"	087°20'01.9"	87	04.12.17	94	A	Excellent	503	
A3	Central	Bankura North	Radhanagar	Bhora	Chak Chuamosina-19	25.00	100	23°10'07.0"	087°21'39.8"	114	05.12.17	90	A	Excellent	501	
A3	Central	Bankura North	Radhanagar	Panchal	Bhagabandh-1	15.00	100	23°12'41.1"	087°16'57.6"	104	06.12.17	94	A	Excellent	500	
A3	Central	Bankura North	Radhanagar	Panchal	Aralkola-163	10.00	99	23°14'09.3"	087°17'16.1"	102	15.12.17	94	A	Excellent	497	
A3	Central	Bankura North	Gangajal Ghati	Ramharipur	Ramkanali-139	20.00	100	23°20'21.3"	087°08'50.5"	99	14.12.17	88	A	Excellent	499	
A3	Central	Bankura North	Gangajal Ghati	Ukhradihi	Jambedia-87, Ranganath-79, Dhansimla-07	10.00	100	23°21'26.0"	087°03'30.8"	110	07.12.17	92	A	Excellent	502	
A3	Central	Bankura North	Beliatore	Kundulia	Siara-204, Amlatora-196	23.00	100	23°12'13.8"	087°13'58.3"	123	14.12.17	95	A	Excellent	501	
A3	Central	Bankura North	Bankura North	Belboni	Rasiknagarpur-299	10.00	99	23°17'35.5"	087°09'38.1"	92	09.02.17	86	A	Excellent	501	
A3	Central	Bankura North	Bankura North	Belboni	Kantapesia-311, Baromesia-307	20.00	99	23°13'47.8"	087°12'03.0"	92	08.02.17	93	A	Excellent	498	
A3	Central	Bankura North	Saltora	Saltora	Pabra-86	10.00	93	23°32'22.3"	087°01'25.0"	114	10.12.17	91	A	Excellent	502	
A3	Central	Bankura North	Saltora	Murlu	Siarbedia-106	8.00	100	23°29'45.7"	086°54'24.0"	130	10.12.17	91	A	Excellent	504	
A3	Central	Bankura North	Saltora	Murlu	Murlu-105	15.00	100	23°31'27.7"	086°54'33.3"	109	11.12.17	91	A	Excellent	499	
A2	Central	Bankura South	Bankura	Punisole	Disguli-14	20.00	99	23°08'09.6"	087°03'07.9"	57	15.11.17	85	B	Very Good	503	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A2	Central	Bankura South	Motgoda	Motgoda-I	Kuldaha-148	10.00	95	22°47'20.6"	086°53'34.1"	87	17.11.17	86	A	Excellent	502	
A2	Central	Bankura South	Pirorgari	Pirorgari-I	Nutandhi-29	10.00	99	22°52'36.7"	086°58'13.6"	68	17.11.17	93	A	Excellent	504	
A2	Central	Bankura South	Simlapal	Simlapal	Karakanali-119	20.00	100	22°58'41.7"	087°06'02.4"	59	16.11.17	85	B	Very Good	505	
A3	Central	Bankura South	Bankura	Punisole	Disguli-14	80.00	99	23°08'06.8"	087°03'06.9"	97	21.11.17	92	A	Excellent	504	
A3	Central	Bankura South	Ranibandh	Punshya	Khejurkhenha-173	14.00	98	22°46'48.0"	086°48'12.3"	100	27.11.17	89	A	Excellent	501	
A3	Central	Bankura South	Ranibandh	Ranibandh	Mitham-122	6.00	99	22°49'31.3"	086°45'03.1"	77	27.11.17	92	A	Excellent	499	
A3	Central	Bankura South	Kamalpur	Kamalpur	Cholagora-192	20.00	99	23°19'61.6"	086°51'56.8"	96	25.11.17	93	A	Excellent	503	
A3	Central	Bankura South	Simlapal	Simlapal	Karakanali-119	10.00	100	22°98'10"	087°09'38.1"	118	26.11.17	92	A	Excellent	504	
A3	Central	Bankura South	Hirbandh	Hirbandh-II	Asatora-36	10.00	99	23°04'22.5"	086°47'16.7"	87	26.11.17	88	A	Excellent	500	
A3	Central	Bankura South	Indpur	Hatagram	Ledapalash-28	26.00	100	23°11'11.7"	086°48'56.6"	81	22.11.17	88	A	Excellent	506	
A3	Central	Bankura South	Indpur	Hatagram	Kendbona Dhagara-44	34.00	100	23°11'49.2"	086°50'07.1"	81	24.11.17	88	A	Excellent	504	
A2	Central	Panchet	Bankadaha	Peardoba	Majuriprasadpur-121	10.00	100	23°00'47.3"	087°14'24.3"	92	14.02.18	88	A	Excellent	503	
A2	Central	Panchet	Bankadaha	Amdangra	Douni-117	15.00	99	23°01'07.9"	087°13'27.1"	133	14.02.18	95	A	Excellent	507	
A2	Central	Panchet	Joypur	Adhkata	Adhkata-64	10.00	99	22°56'57.1"	087°27'29.5"	55	07.02.18	86	A	Excellent	504	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A2	Central	Panchet	Joypur	Adhkata	Dangamakrandapur-71	10.00	100	22°56'32.5"	087°26'24.6"	62	07.02.18	86	A	Excellent	501	
A2	Central	Panchet	Joypur	Adhkata	Baliguma-72	20.00	100	22°56'30.0"	087°25'12.9"	133	08.02.18	86	A	Excellent	503	
A2	Central	Panchet	Joypur	Adhkata	Jadavnagar-130	10.00	100	22°57'03.0"	087°28'36.5"	87	09.02.18	86	A	Excellent	503	
A2	Central	Panchet	Bishnupur	Bishnupur-II	Bankinala-287	9.50	99	23°01'54.4"	087°13'37.6"	88	31.01.18	89	A	Excellent	506	
A2	Central	Panchet	Bishnupur	Bishnupur-II	Kharbari Bodni-269	11.00	100	23°02'20.4"	087°15'26.2"	84	31.01.18	96	A	Excellent	507	
A2	Central	Panchet	Bishnupur	Bishnupur-II	Ramanchuanpuan-264	6.50	100	23°03'51.6"	087°16'01.3"	76	02.02.18	89	A	Excellent	506	
A2	Central	Panchet	Bishnupur	Hereparbat	Hereparbat-77	13.00	100	23°04'24.9"	087°21'03.8"	84	02.02.18	88	A	Excellent	504	
A2	Central	Panchet	Taldangra	Asna	Manikmara-94	10.00	100	23°00'17.7"	087°08'52.2"	55	26.01.18	84	B	Very Good	503	
A3	Central	Panchet	Bankadaha	Uparsole	Shankarlayekdanga-162	10.00	100	22°56'54.0"	087°23'29.0"	132	16.02.18	95	A	Excellent	499	
A3	Central	Panchet	Bankadaha	Uparsole	Cahk Uparsole-156	10.00	98	22°57'25.8"	087°24'16.3"	115	16.02.18	95	A	Excellent	502	
A3	Central	Panchet	Bankadaha	Peardoba	Chandabila-123	10.00	100	22°59'46.5"	087°16'27.2"	105	15.02.18	95	A	Excellent	501	
A3	Central	Panchet	Bankadaha	Peardoba	Satmouli-125	10.00	100	22°59'01.0"	087°15'54.5"	114	15.02.18	95	A	Excellent	501	
A3	Central	Panchet	Bankadaha	Peardoba	Nachankonda-126	10.00	100	22°59'02.7"	087°14'46.4"	104	14.02.18	95	A	Excellent	505	
A3	Central	Panchet	Joypur	Adhkata	Adhkata-64	30.00	99	22°57'02.9"	087°27'16.4"	99	11.02.18	92	A	Excellent	501	
A3	Central	Panchet	Joypur	Adhkata	Rangamati-75, Jadavnagar-130	10.00	99	22°55'28.7"	087°28'02.9"	102	09.02.18	95	A	Excellent	506	
A3	Central	Panchet	Joypur	Adhkata	Jadavnagar-130	15.00	99	22°56'52.0"	087°28'20.0"	134	09.02.18	95	A	Excellent	504	
A3	Central	Panchet	Joypur	Adhkata	Harinasuli-132, Hatbari-131	15.00	100	22°55'35.8"	087°28'42.4"	135	12.02.18	95	A	Excellent	503	
A3	Central	Panchet	Joypur	Machantala	Jangalmahal-85	5.00	98	23°05'04.6"	087°22'35.4"	131	12.02.18	95	A	Excellent	504	
A3	Central	Panchet	Onda	Chingani	Chingani-161, Dhabani-50	50.00	100	23°04'13.8"	087°07'21.1"	97	30.01.18	93	A	Excellent	505	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A3	Central	Panchet	Onda	Chingani	Dhaboni-50, Kamarkata-157, Shyamnagar-150	60.00	100	23°05'19.6"	087°09'37.1"	135	29.01.18	93	A	Excellent	503	
A3	Central	Panchet	Bishnupur	Bishnupur-II	Baghakhulia-259	10.00	99	23°04'18.9"	087°14'41.1"	97	03.02.18	93	A	Excellent	503	
A3	Central	Panchet	Bishnupur	Bishnupur-II	Chak-Bagmari-267	9.00	99	23°02'11.6"	087°16'26.1"	95	03.02.18	93	A	Excellent	498	
A3	Central	Panchet	Bishnupur	Herarparbat	Herarparbat-77	18.00	98	23°04'35.5"	087°20'57.5"	86	04.02.18	78	B	Very Good	503	
A3	Central	Panchet	Bishnupur	Herarparbat	Moyrapukur-105	10.00	99	23°04'04.3"	087°20'24.2"	108	05.02.18	93	A	Excellent	501	
A3	Central	Panchet	Bishnupur	Herarparbat	Lahari-129	8.00	98	23°00'27.9"	087°17'41.8"	109	05.02.18	93	A	Excellent	503	
A3	Central	Panchet	Taldangra	Asna	Manikmara-94	10.00	100	23°00'17.4"	087°08'57.6"	94	26.01.18	91	A	Excellent	499	
B1	Parks and Gardens	Howrah	Howrah Rural SF	Bagnan	Kamarkhola-97, Khasmoli-98	20.00	0	22°34'19.9"	087°53'52.2"	0	23.12.17	0	E	Poor		
B1	Parks and Gardens	Howrah	Arambagh	Bhadur	Ratanpur Rice mil to Salincha,	10.00	95	22°57'17.6"	087°43'47.1"	111	16.12.17	78	B	Very Good		
A2	South-East	Birbhum	Bolpur	Illambazar	Lakhipur-128	10.00	100	23°37'02.7"	087°35'31.5"	77	19.02.18	86	A	Excellent	220	
A3	South-East	Birbhum	Bolpur	Illambazar	Lakhipur-128	10.00	100	23°36'52.3"	087°35'35.2"	101	19.02.18	93	A	Excellent	220	
A3	South-East	Birbhum	Rajnagar	Rajnagar	Abadnagar-43	15.00	97	23°54'00.8"	087°17'38.9"	92	21.02.18	79	B	Very Good	228	
A3	South-East	Birbhum	Rampurhat	Tumboni	Ekpara-2, Chandpur-20	10.10	98	24°12'32.8"	087°41'19.0"	92	21.02.18	90	A	Excellent	200	
A3	South-East	Birbhum	Md. Bazar	Rashpur	Charicha Raghubarpur-100	10.00	100	23°58'45.7"	087°30'42.3"	89	22.02.18	89	A	Excellent	200	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A2	South-East	Burdwan	Panagarh	Khandari	Khandari-80	4.00	97	23°26'39.0"	087°31'22.7"	72	22.11.17	82	B	Very Good	320	
A2	South-East	Burdwan	Panagarh	Khandari	Maro-32, Khandari-80	13.00	100	23°26'32.0"	087°31'18.7"	74	22.11.17	93	A	Excellent	400	
A2	South-East	Burdwan	Guskara	Pratappur	Amraragarh-57	6.00	94	23°27'05.5"	087°34'48.6"	72	22.11.17	72	B	Very Good	250	
A2	South-East	Burdwan	Durgapur	Molandighi	Bistupur-44	7.00	99	23°34'01.4"	087°25'33.3"	84	23.11.17	96	A	Excellent	220	
A3	South-East	Burdwan	Durgapur	Arrah	Arrah-91	20.00	97	23°30'43.9"	087°22'56.3"	90	26.11.17	78	B	Very Good	223	
A3	South-East	Burdwan	Durgapur	Gopalpur	Domra-68	40.00	97	23°31'28.8"	087°27'03.7"	103	29.11.17	82	B	Very Good	200	
A3	South-East	Burdwan	Panagarh	Khandari	Khandari-80, Balarampur-81	20.00	98	23°27'15.1"	087°31'02.2"	100	30.11.17	90	A	Excellent	340	
A3	South-East	Burdwan	Panagarh	Aduria	Dhantore-21	17.00	99	23°32'12.9"	087°29'05.8"	105	01.12.17	91	A	Excellent	252	
A3	South-East	Burdwan	Panagarh	Aduria	Hedogoria-12	3.00	95	23°34'40.2"	087°32'27.4"	123	01.12.17	76	B	Very Good	300	
A3	South-East	Durgapur	Ukhra	Kantaberia	Madhaiganj-24	5.00	99	23°39'37.9"	087°20'15.9"	105	23.11.17	93	A	Excellent	210	
A3	South-East	Durgapur	Ukhra	Kantaberia	Madhaiganj-24	15.00	99	23°39'33.5"	087°19'18.1"	84	23.11.17	86	A	Excellent	230	
A3	South-East	Durgapur	Ukhra	Kantaberia	Kantaberia-48	17.00	99	23°36'22.9"	087°22'15.3"	101	24.11.17	92	A	Excellent	320	
A3	South-East	Durgapur	Ukhra	Fuljhore	Jemua-80	3.00	100	23°33'24.7"	087°21'23.1"	123	24.11.17	97	A	Excellent	240	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A3	South-East	Durgapur	Ukhra	Fujihore	Paranganj-79	10.00	100	23°33'23.9"	087°21'26.5"	102	25.11.17	93	A	Excellent	240	
B1	South-East	Nadia-Murshidabad	Krishnagar	Bethuadahari	Rajapur-53 Sudhakarapur-62 Goatpara-58 Jalkarabed-57 Udaychandrapur-60	5.00	97	23°33'59.3"	088°19'35.0"	106	25.02.18	95	A	Excellent		
B1	South-East	Nadia-Murshidabad	Ranaghat	Hanskhali	Gobindapur-33	5.00	93	23°22'49.8"	088°37'52.5"	92	21.02.18	77	B	Very Good		
B1	South-East	Nadia-Murshidabad	Tehatta	Karimpore	Baruipur-119 Raninagar-117	5.00	97	23°59'47.3"	088°45'05.0"	130	25.02.18	98	A	Excellent		
B1	South-East	Nadia-Murshidabad	Berhampore (S)	Berhampore H.Q.	Chota Satui-41	5.00	83	24°20'30.3"	088°07'43.8"	85	22.02.18	58	C	Good		
B1	South-East	Nadia-Murshidabad	Berhampore (N)	Nabagram	Shibpur -113, Rainda-87, Dafarpur-116	5.00	98	24°08'40.9"	088°11'27.8"	100	21.02.18	93	A	Excellent		
A2	South-West	Kangsabati North	Hura	Keshargarth	Chorgali-55	10.00	100	23°16'26.3"	086°32'53.3"	58	21.11.17	89	A	Excellent	480	
A2	South-West	Kangsabati North	Puncha	Damodarpur	Baraghutu-85	10.00	100	23°14'36.4"	086°43'05.9"	54	25.11.17	89	A	Excellent	425	
A3	South-West	Kangsabati North	Hura	Rakab	Karrudoba	10.00	100	23°17'20.2"	086°31'01.5"	69	03.12.17	85	B	Very Good	480	
A3	South-West	Kangsabati North	Hura	Hura	Pukuriathol-196	15.00	91	23°18'34.0"	086°41'24.1"	67	23.11.17	44	D	Average	480	
A3	South-West	Kangsabati North	Hura	Hura	Duriakata-92	10.00	92	23°18'14.6"	086°41'11.9"	56	22.11.17	51	C	Good	480	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A3	South-West	Kangabati North	Hura	Bishpuria	Samukgoria-103	10.00	100	23°16'56.9"	086°42'01.1"	77	23.11.17	85	B	Very Good	435	
A3	South-West	Kangabati North	Hura	Bishpuria	Ichamara-200	10.00	100	23°18'51.1"	086°43'51.8"	60	24.11.17	82	B	Very Good	400	
A3	South-West	Kangabati North	Puncha	Damodarpur	Baraghutu-85	30.00	91	23°14'05.7"	086°43'24.6"	51	21.11.17	61	C	Good	480	
A3	South-West	Kangabati North	Puncha	Damodarpur	Ramkhundi-82	17.00	100	23°13'38.9"	086°41'25.7"	56	26.11.17	81	B	Very Good	395	
A3	South-West	Kangabati North	Puncha	Panipathar	Konapara-33	23.00	100	23°14'22.5"	086°30'32.9"	63	27.11.17	85	B	Very Good	305	
A2	South-West	Kangabati South	Manbazar-I	Sindurpur	Bari-30	40.00	100	23°06'22.9"	086°33'02.2"	41	16.11.17, 17.11.17	86	A	Excellent	480	
A2	South-West	Kangabati South	Barabazar	Barabazar	Purihansa-146	10.00	100	23°03'41.8"	086°22'01.5"	56	18.11.17	90	A	Excellent	480	
A3	South-West	Kangabati South	Manbazar-II	Kumari	Nekra-227	10.00	99	22°51'49.5"	086°34'10.8"	44	18.11.17	83	B	Very Good	480	
A3	South-West	Kangabati South	Barabazar	Sindri	Khairboni-195	30.00	100	23°01'23.1"	086°28'59.0"	83	19.11.17, 20.11.17	86	A	Excellent	480	
A3	South-West	Kangabati South	Barabazar	Barabazar	Purihansa-146	10.00	100	23°03'41.7"	086°21'47.3"	70	19.11.17	86	A	Excellent	460	
A2	South-West	Purulia	Joypur	Joypur	Joypur-66	10.00	100	23°25'34.4"	086°09'41.0"	80	04.12.17	85	B	Very Good	480	
A2	South-West	Purulia	Balarampur	Bersa	Kana-25	15.00	100	23°07'27.7"	086°13'16.9"	75	04.12.17	92	A	Excellent	480	
A3	South-West	Purulia	Jhalda	Jhalda	Ona-124	30.00	95	23°19'23.6"	086°58'04.2"	84	06.01.18	65	C	Good	480	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/ hec.	Remarks
A3	South-West	Purulia	Kotshila	Murguma	Jarahatu-264	20.00	99	23°19'59.3"	086°02'42.3"	72	05.12.18	86	A	Excellent	480	
A3	South-West	Purulia	Kotshila	Khatanga	Khatanga-191	15.00	99	23°27'44.6"	086°03'45.2"	94	06.12.17	89	A	Excellent	430	
A3	South-West	Purulia	Baghmundi	Baghmundi	Nischintapur-63	39.00	98	23°14'13.6"	086°01'37.3"	72	05.01.18	71	B	Very Good	478	
A3	South-West	Purulia	Joypur	Bangidiri	Bangidiri-36	6.00	100	23°32'12.9"	086°07'52.7"	81	07.01.18	86	A	Excellent	480	
A3	South-West	Purulia	Joypur	Talmu	Piri-11	20.00	99	23°31'07.3"	086°03'45.6"	74	08.01.18	85	B	Very Good	480	
A3	South-West	Purulia	Joypur	Talmu	Ekduar-10	20.00	100	23°32'22.8"	086°02'03.5"	81	09.01.18	85	B	Very Good	480	
A3	South-West	Purulia	Joypur	Joypur	Joypur-66	5.00	100	23°25'35.4"	086°09'37.7"	81	09.01.18	85	B	Very Good	440	
B1	South-West	Purulia Extension Forestry	Purulia Extension FMU	Purulia Extension	Gurpa-199, Chipida-189	6.00	100	23°13'48.5"	086°24'22.1"	80	04.03.18	83	B	Very Good		
B1	South-West	Purulia Extension Forestry	Joypur Extension FMU	Joypur	Talmu-22, Pundag-21, Shalgram-18	8.00	99	23°31'02.3"	086°04'05.4"	82	04.03.18	89	A	Excellent		
B1	South-West	Purulia Extension Forestry	Hura Extension FMU	Para	Kasiberia, Dhulabad, Alkusa, Babugram JL No. 85,86,87,93,95	6.00	99	23°30'79.6"	086°04'77.3"	84	05.03.18	83	B	Very Good		
B2	South-West	Purulia Extension Forestry	Hura Extension FMU	Purulia-II	Chharrah-131	5.00	100	23°22'78.7"	086°33'78.4"	64	03.03.18	83	B	Very Good		

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A2	Western	Jhargram	Lodhasuli	Lodhasuli	Bhowda-666	20.00	99	22°23'10.1"	087°02'34.2"	73	13.11.17, 14.11.17	92	A	Excellent	500	
A3	Western	Jhargram	Lodhasuli	Chandri-II	Jangal Khas-911	25.00	98	22°20'24.4"	086°59'40.6"	70	15.11.17, 16.11.17	96	A	Excellent	495	
A2	Western	Kharagpur	Chandabila	Patina	Murakati-56	20.00	100	22°06'13.0"	087°04'30.1"	73	02.12.17	96	A	Excellent	502	
A2	Western	Kharagpur	Nayagram	Nayagram	Radhapara-303	20.00	100	22°56'11.0"	087°08'59.8"	74	03.12.17	99	A	Excellent	498	
A2	Western	Kharagpur	Hijili	Hijili	Paschim Pathri-186	10.00	100	22°18'05.9"	087°17'45.6"	72	04.12.17	93	A	Excellent	484	
A2	Western	Kharagpur	Hijili	Hijili	Paschim Pathri-186	10.00	100	22°17'41.7"	087°18'06.6"	79	04.12.17	97	A	Excellent	473	
A3	Western	Kharagpur	Kalaikunda	Baradanga	Chunpara-126	20.00	100	22°18'13.3"	087°08'52.3"	89	05.12.17	90	A	Excellent	498	
A3	Western	Kharagpur	Belda	Keshiary	Jhatageriya-69	25.00	100	22°08'20.9"	087°12'26.5"	83	05.12.17, 06.12.17	90	A	Excellent	430	
A3	Western	Kharagpur	Kalaikunda	Sankrail	Sushnigeria-118	40.00	100	22°14'10.0"	087°07'41.1"	78	06.12.17, 07.12.17	89	A	Excellent	488	
A3	Western	Kharagpur	Kalaikunda	Sankrail	Durgahari-187	10.00	100	22°12'31.6"	087°09'38.7"	81	02.12.17	89	A	Excellent	458	
A3	Western	Kharagpur	Nayagram	Panchkahania	Khasjungle-53	30.00	98	22°04'14.2"	087°04'25.2"	66	03.11.17, 04.11.17	86	A	Excellent	432	
A3	Western	Kharagpur	Chandabila	Patina	Khasjungle-11	20.00	100	22°07'07.2"	087°00'29.3"	73	05.12.17	85	B	Very Good	498	
B1	Western	Kharagpur	Ghatal SF	Ghatal SF	Supapursuri-01	20.00	100	22°34'29.2"	087°35'37.9"	68	02.12.17	86	A	Excellent		
B1	Western	Kharagpur	Ghatal SF	Daspur SF	Chowka-109, Gholsai-100	10.00	100	22°35'54.7"	087°38'55.5"	64	03.12.17	83	B	Very Good		
B1	Western	Kharagpur	Debra SF	Debra SF	Basudebpur to Jagatmoni	20.00	97	22°26'02.6"	087°33'50.1"	74	03.12.17	88	A	Excellent		
B1	Western	Kharagpur	Debra SF	Debra SF	Beli to Ambigeri, Purunia to Chamka	10.00	97	22°21'47.7"	087°26'01.8"	59	01.12.17	82	B	Very Good		
A2	Western	Midnapur	Arabari	Arabari	Ghagra-450	25.00	99	22°41'15.2"	087°19'46.1"	68	06.11.17, 07.11.17	91	A	Excellent	474	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A2	Western	Midnapur	Arabari	Socio	Sankroi-16, Sapadaha-17	24.00	100	22°39'15.5"	087°23'28.1"	76	08.11.17, 09.11.17	97	A	Excellent	443	
A2	Western	Midnapur	Bhadutala	Bhadutala	Khasjungle-513	5.00	100	22°29'43.8"	087°19'56.1"	63	10.11.17, 11.11.17	89	A	Excellent	495	
A2	Western	Midnapur	Bhadutala	Moupal	Khasjungle-227	10.00	100	22°28'29.9"	087°15'28.3"	66	12.11.17	92	A	Excellent	500	
A2	Western	Midnapur	Bhadutala	Moupal	Khasjungle-227	15.00	100	22°28'26.7"	087°16'01.9"	68	11.11.17	92	A	Excellent	499	
A2	Western	Midnapur	Bhadutala	Moupal	Nonasole-196	5.00	100	22°30'28.8"	087°12'22.4"	43	10.11.17	85	B	Very Good	498	
A2	Western	Midnapur	Bhadutala	Moupal	Khasjungle-227	5.00	100	22°30'14.6"	087°15'42.6"	53	13.11.17	89	A	Excellent	492	
A2	Western	Midnapur	Bhadutala	Moupal	Tarasuli-225	2.00	99	22°30'48.0"	087°15'52.8"	59	13.11.17	89	A	Excellent	484	
A2	Western	Midnapur	Bhadutala	Moupal	Khasjungle-227	3.00	99	22°30'15.9"	087°15'19.6"	47	13.11.17	89	A	Excellent	484	
A2	Western	Midnapur	Midnapore	Baghasole	Khas Jangal-424	13.00	100	22°31'15.7"	087°23'01.9"	85	14.11.17	96	A	Excellent	523	
A2	Western	Midnapur	Midnapore	Baghasole	Khas Jangal-424	19.00	100	22°30'26.8"	087°22'25.4"	87	15.11.17	99	A	Excellent	517	
A2	Western	Midnapur	Chandrakona	Andharnayan	Chhototara-714	10.00	100	22°44'22.7"	087°24'39.4"	68	17.11.17	93	A	Excellent	493	
A2	Western	Midnapur	Lalgarh	Lalgarh	Bhumij Dhansola-780	15.00	99	22°36'57.1"	087°05'08.8"	57	19.11.17	85	B	Very Good	492	
A3	Western	Midnapur	Godapeasal	Karamsole	Pirrakuli-278	15.00	100	22°36'01.7"	087°15'05.6"	78	18.11.17	89	A	Excellent	480	
A3	Western	Midnapur	Arabari	Arabari	Buramara-688	10.00	100	22°40'53.6"	087°23'06.4"	69	21.11.17	89	A	Excellent	493	
A3	Western	Midnapur	Arabari	Arabari	Buramara-688, Nepura-686	31.00	98	22°41'51.3"	087°22'20.5"	73	22.11.17 to 24.11.17	86	A	Excellent	483	
A3	Western	Midnapur	Arabari	Mirga	Nengtisole-328	25.00	99	22°36'07.0"	087°17'11.7"	79	25.11.17	85	B	Very Good	488	
A3	Western	Midnapur	Bhadutala	Moupal	Khasjungle-227	5.00	100	22°28'37.5"	087°15'20.6"	87	19.11.17	89	A	Excellent	496	
A3	Western	Midnapur	Bhadutala	Moupal	Nonasole-196	13.00	100	22°30'35.1"	087°12'24.3"	82	26.11.17	89	A	Excellent	482	
A3	Western	Midnapur	Bhadutala	Moupal	Darimasole-197	7.00	100	22°30'10.6"	087°13'10.0"	84	19.11.17	85	B	Very Good	498	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A3	Western	Midnapur	Midnapore	Gopegarh	Bhagdubi-139	15.00	100	22°26'12.1"	087°16'15.3"	93	21.11.17, 22.11.17	89	A	Excellent	491	
A3	Western	Midnapur	Midnapore	Gopegarh	Bhagdubi-139	15.00	99	22°26'02.6"	087°16'24.6"	86	20.11.17	89	A	Excellent	652	
A3	Western	Midnapur	Chandrakona	Kanthaldiha	Kanchdahari-712	15.00	100	22°44'46.5"	087°23'30.0"	92	23.11.17, 24.11.17	90	A	Excellent	496	
A3	Western	Midnapur	Chandrakona	Kanthaldiha	Jemua-710	15.00	100	22°45'15.1"	087°22'23.5"	87	24.11.17, 25.11.17	90	A	Excellent	492	
A3	Western	Midnapur	Chandrakona	Dhankuria	Balarampur-742	20.00	100	22°46'18.0"	087°27'10.9"	91	26.11.17	88	A	Excellent	494	
A3	Western	Midnapur	Chandra	Chandra	Amajharna-61, Sirshi-21, Jharria-60	10.00	99	22°29'54.4"	087°10'00.4"	69	06.11.17	89	A	Excellent	494	
A3	Western	Midnapur	Lalgarh	Lalgarh	Sakhisoli-791	4.00	99	22°35'30.4"	087°02'55.1"	94	06.11.17	89	A	Excellent	480	
A2	Western	Rupnarayan	Amlagora	Raskundu	Dhanghori-59	10	99	22°47'02.4"	087°29'00.2"	65	03.02.18	93	A	Excellent	360	
A2	Western	Rupnarayan	Amlagora	Raskundu	Raipur-747, Jalua-749	5	99	22°48'20.7"	087°25'35.9"	71	02.02.18	96	A	Excellent	500	
A2	Western	Rupnarayan	Amlagora	Raskundu	Jadabnagar-62	20	100	22°46'45.4"	087°29'53.9"	77	01.02.18	99	A	Excellent	500	
A2	Western	Rupnarayan	Amlagora	Raskundu	Tilarha-60, Dhanghori-59	10	100	22°46'50.1"	087°29'36.5"	61	02.02.18	90	A	Excellent	425	
A2	Western	Rupnarayan	Garhbeta	Dhadika	Kharikasuli-552	6	99	22°55'55.9"	087°20'25.1"	80	04.02.18	96	A	Excellent	498	
A2	Western	Rupnarayan	Garhbeta	Shyamnagar	Namojoba-822	11	99	22°54'19.0"	087°25'50.2"	68	04.02.18	92	A	Excellent	500	
A2	Western	Rupnarayan	Garhbeta	Shyamnagar	Namojoba-822	19	100	22°54'22.6"	087°26'25.8"	71	05.02.18	96	A	Excellent	488	
A2	Western	Rupnarayan	Goaltore	Barapatasole	Sirishboni-74	15	100	22°42'36.7"	087°05'44.5"	62	10.02.18	89	A	Excellent	504	
A2	Western	Rupnarayan	Goaltore	Ramgarh	Khasjungal-688	20	100	22°41'17.8"	087°05'45.8"	55	12.02.18	89	A	Excellent	501	
A2	Western	Rupnarayan	Goaltore	Barapatasole	Bankisole-73	10	100	22°42'38.7"	087°06'06.4"	47	11.02.18	89	A	Excellent	502	
A2	Western	Rupnarayan	Mahalisai	Adalia	Dubrajpur-84	43	100	22°47'34.8"	087°10'07.3"	46	08.02.18, 09.02.18	85	B	Very Good	504	
A2	Western	Rupnarayan	Mahalisai	Ruparghagra	Bankati-15	6	99	22°48'18.7"	087°05'59.6"	45	04.02.18	85	B	Very Good	530	
A2	Western	Rupnarayan	Mahalisai	Ruparghagra	Parasia-49	4	97	22°48'28.9"	087°05'09.0"	53	06.02.18	89	A	Excellent	506	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A2	Western	Rupnarayan	Mahalisai	Ruparghagra	Shyamsundarpur-43, Kharkata-52, Bharurboni	15	100	22°47'24.5"	087°05'59.9"	55	07.02.18	89	A	Excellent	504	
A2	Western	Rupnarayan	Hoomgarh	Amlasuli	Kethuabad-27	20	99	22°50'50.7"	087°08'41.4"	60	13.02.18	89	A	Excellent	504	
A2	Western	Rupnarayan	Hoomgarh	Amlasuli	Peruabad-28	20	97	22°50'51.8"	087°09'02.0"	48	14.02.18	85	B	Very Good	530	
A3	Western	Rupnarayan	Amlagora	Raskundu	Dukhiasole-910	5	99	22°49'09.6"	087°28'24.9"	91	03.02.18	89	A	Excellent	502	
A3	Western	Rupnarayan	Garhbeta	Chakparbati	Bansda-855	15	99	22°52'46.2"	087°29'21.1"	72	04.02.18	89	A	Excellent	500	
A3	Western	Rupnarayan	Garhbeta	Dhadika	Kharikasuli-552	4	99	22°55'48.4"	087°20'23.8"	68	04.02.18	85	B	Very Good	482	
A3	Western	Rupnarayan	Goaltore	Barapatasole	Andharia-75	15	100	22°41'52.4"	087°06'26.8"	58	06.02.18	85	B	Very Good	678	
A3	Western	Rupnarayan	Goaltore	Barapatasole	Dhachati-24	15	100	22°39'53.4"	087°07'34.4"	66	05.02.18	84	B	Very Good	487	
A3	Western	Rupnarayan	Goaltore	Barapatasole	Nadaria-2	5	100	22°40'50.6"	087°08'07.2"	85	06.02.18	85	B	Very Good	504	
A3	Western	Rupnarayan	Mahalisai	Ruparghagra	Kesia-10	6	98	22°49'28.3"	087°02'20.8"	85	07.02.18	85	B	Very Good	506	
A3	Western	Rupnarayan	Mahalisai	Ruparghagra	Bablapani-51	6.74	99	22°47'02.8"	087°05'12.2"	84	07.02.18	85	B	Very Good	462	
A3	Western	Rupnarayan	Mahalisai	Ruparghagra	Bankati-15	8	99	22°48'15.2"	087°05'40.1"	55	08.02.18	85	B	Very Good	422	
A3	Western	Rupnarayan	Mahalisai	Ruparghagra	Jamdahara-1	4	99	22°50'58.6"	087°04'06.5"	80	08.02.18	85	B	Very Good	456	
A3	Western	Rupnarayan	Mahalisai	Ruparghagra	Kharkata-52	8.26	99	22°47'16.3"	087°05'36.6"	90	09.02.18	89	A	Excellent	494	
A3	Western	Rupnarayan	Mahalisai	Ruparghagra	Ranginala-57	3	100	22°46'54.9"	087°05'57.6"	96	09.02.18	89	A	Excellent	512	
A3	Western	Rupnarayan	Mahalisai	Mahalisai-II	Tilaboni-95	10	99	22°44'32.1"	087°09'25.5"	87	03.02.18	89	A	Excellent	490	

Detail monitoring data, 4th year, 2014 plantation

Area in Ha. & height in cm

Model	circle	DMU	FMU	Beat	Location	Area	1st year SP	3rd year SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A1	Central	Bankura (North)	Beliatore	Khag	Kadma-185 Benachapra-188	20.00	87	91	23°19'35.3"	087°19'39.5"	462	08.02.18	61	B	Very Good	501	
A1	Central	Bankura (South)	Indpur	Hatagram	Bandeuli-96	10.00	86	87	23°06'59.6"	086°51'26.3"	456	08.02.18	79	A	Excellent	501	
A1	Central	Bankura (South)	Khatra	Khatra-1	Bantilla-225, Salboni-197	10.00	94	91	22°57'22.5"	086°51'17.8"	450	09.02.18	72	B	Very Good	507	
A1	Central	Panchet	Bishnupur	Heraparat	Basudevpur-107	10.00	96	94	23°03'45.1"	087°21'35.4"	464	10.02.18	75	B	Very Good	504	
A3	Central	Panchet	Bishnupur	Heraparat	Dhenya Pathar- 106, Basudevpur- 107	5.00	73	90	23°03'18.9"	087°21'32.1"	167	10.02.18	54	C	Good	503	
A3	Central	Panchet	Bishnupur	Basudevpur	Tribonka-108	15.00	91	24	23°01'19.6"	087°23'47.1"	123	10.02.18	7	E	Poor	502	
A1	South-East	Birbhum	Dubrajpur	Hetampur	Gopalnagar-30	5.00	97	96	23°50'55.4"	087°20'41.9"	426	01.03.18	87	A	Excellent	240	
A2	South-East	Birbhum	Bolpur	Illambazar	Lakshipur-128, Ushordih-127	10.00	94	86	23°37'07.0"	087°35'16.1"	164	19.02.18	70	B	Very Good	140	
A3	South-East	Birbhum	Dubrajpur	Hetampur	Gopalnagar-30	10.00	96	98	23°50'59.3"	087°20'32.2"	342	01.03.18	93	A	Excellent	210	
A3	South-East	Birbhum	Rajnagar	Aligarh	Mahishagram-73	20.00	99	84	23°59'55.5"	087°21'18.9"	412	03.03.18	64	B	Very Good	210	

Model	circle	DMU	FMU	Beat	Location	Area	1st year SP	3rd year SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A1	South-East	Burdwan	Panagarh	Aduria	Farijungle-16, Amarpur-15	15.00	100	77	23°33'55.7"	087°33'25.8"	459	03.12.17	53	C	Good	16	
A1	South-East	Durgapur	Ukhra	Fuljhore	Sankarpur-95	5.00	96	76	23°31'38.2"	087°21'12.1"	488	04.03.18	44	D	Average	0	
A2	South-West	KNG (N)	Puncha	Jambad	Pirrah-15	10.00	81	69	23°10'56.7"	086°32'11.2"	227	03.12.17	50	C	Good	340	
A3	South-West	KNG (N)	Hura	Keshargarh	Karrudoba-53	15.00	93	88	23°15'47.0"	86°30'42.3"	234	22.11.17	58	C	Good	410	
A2	South-West	KNG (S)	Manbazar	Kenda	Jangidri	18.00	92	59	23°06'42.6"	086°28'25.0"	192	28.11.17	33	D	Average	380	
A2	South-West	KNG (S)	Manbazar	Sindurpur	Kadma-23	25.00	86	84	23°03'49.6"	086°31'09.1"	53	28.11.17	58	C	Good	330	
A2	South-West	KNG (S)	Manbazar-1	Sindurpur	Kumardih	20.00	92	63	23°07'59.9"	086°32'30.5"	236	17.11.17	45	D	Average	440	
A2	South-West	KNG (S)	Manbazar-1	Sindurpur	Maruagora	28.00	90	54	23°08'21.7"	086°32'11.1"	208	18.11.17	35	D	Average	400	
A3	South-West	KNG (S)	Manbazar-1	Sindurpur	Kumardih	20.00	82	58	23°05'31.8"	086°37'53.3"	355	29.11.17	18	E	Poor	340	
A3	South-West	KNG (S)	Manbazar-1	Sindurpur	Kumardih	20.00	69	53	23°05'29.5"	086°36'02.7"	449	17.11.17	22	E	Poor	340	
A3	South-West	KNG (S)	Manbazar-1	Sindurpur	Kungardih	20.00	95	59	23°05'28.7"	086°37'20.2"	290	16.11.17	16	E	Poor	330	

Model	circle	DMU	FMU	Beat	Location	Area	1st year SP	3rd year SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A1	Western	Kharagpur	Belda	Narayangarh	Binai-224	5.00	98	87	22°10'50.5"	087°20'45.6"	228	27.11.17	72	B	Very Good	498	
A1	Western	Kharagpur	Hijili	Hijili	Dudhe-289, Kesuria-283	11.50	100	99	22°15'50.4"	087°19'30.2"	226	27.11.17	86	A	Excellent	465	
A1	Western	Kharagpur	Belda	Keshipur	Jamuna	10.00	100	70	22°09'52.5"	087°19'26.7"	236	28.11.17	42	D	Average	467	
A2	Western	Kharagpur	Hijili	Parapara	Parapara-172	10.00	100	70	22°15'17.8"	087°16'05.2"	290	28.11.17	54	C	Good	501	
A3	Western	Kharagpur	Hijili	Hijili	Dudhe-289, Rangamatia-255	17.00	100	99	22°15'54.3"	087°19'21.9"	227	29.11.17	86	A	Excellent	498	
A3	Western	Kharagpur	Hijili	Hijili	Rangamatia-255	15.00	100	96	22°17'14.3"	087°18'35.7"	287	30.11.17	88	A	Excellent	501	
A1	Western	Midnapur	Chondra Kona	Dhamkuria	Balarampur-742	15.00	100	91	22°46'18.8"	087°26'59.1"	226	07.11.17	89	A	Excellent	415	
A2	Western	Midnapur	Midnapur	Baghasole	Khas Jungle-424	20.00	100	99	22°30'38.8"	087°22'33.3"	261	07.11.17, 08.11.17	98	A	Excellent	489	
A2	Western	Midnapur	Chondra Kona	Andharnayan	Pataisole-929	20.00	100	77	22°43'01.4"	087°28'36.8"	151	08.11.17, 09.11.17	69	B	Very Good	417	
A2	Western	Midnapur	Midnapur	Baghasole	Khas Jungle-424	10.00	100	98	22°30'15.5"	087°22'32.1"	312	09.11.17	99	A	Excellent	477	
A3	Western	Midnapur	Chondra Kona	Dhamkuria	Balarampur-742	10.00	100	95	22°45'56.5"	087°25'39.5"	273	10.11.17	89	A	Excellent	390	
A3	Western	Midnapur	Nayabasad	Nayabasad	Bhula-437	10.00	98	82	22°44'43.5"	087°17'41.2"	327	10.11.17	89	A	Excellent	448	
A3	Western	Midnapur	Arabani	Gopalbandh	Gopalbandh-13	10.00	99	89	22°38'07.0"	087°23'24.3"	239	11.11.17	85	A	Excellent	391	

Model	circle	DMU	FMU	Beat	Location	Area	1st year SP	3rd year SP	Lat. (N)	Long. (E)	Height	Date of Survey	PS	Cat.	Grade	Length of SMC works in RMT/hec.	Remarks
A3	Western	Midnapur	Godapiasal	Godapiasal	Lapsa-377, Anandpur-378	30.00	100	97	22°33'21.7"	087°25'26.8"	190	12.11.17 to 14.11.17	86	A	Excellent	456	
A3	Western	Midnapur	Chondra Kona	Andharnayan	Sakhobai-927	30.00	100	98	22°43'50.8"	087°27'44.6"	326	11.12.17, 12.11.17	92	A	Excellent	419	
A1	Western	Rupnarayan	Garbeta	Shyamnagar	Kaima-316	10.00	97	93	22°56'10.9"	087°23'25.2"	231	01.02.18	72	B	Very Good	510	
A1	Western	Rupnarayan	Amlagora	Pathrisole	Kastogora-649	15.00	100	98	22°48'46.2"	087°23'19.7"	226	01.02.18	85	A	Excellent	502	
A2	Western	Rupnarayan	Amlagora	Raskundu	Dhanghori-59	5.00	100	92	22°46'55.8"	087°29'09.5"	162	02.02.18	96	A	Excellent	508	
A3	Western	Rupnarayan	Amlagora	Raskundu	Hurhuria-51	10.00	100	98	22°48'43.5"	087°23'45.6"	322	03.02.18	89	A	Excellent	494	



Area-20 ha., DMU- Kharagpur, FMU - Ghatal, Beat- Daspur, Mouza- Kismat Narajole, Supa, JL No. 1, Model- B1, Under- JICA, Year- 2017.

Detail monitoring data, A4 model (2016-17) plantation

Area in Ha. & height in cm

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	Length of SMC works in RMT/hec.	Remarks
A4	Central	Bankura North	Barjora	Barjora	Saharjora-26	70.00	100	23°24'29.2"	087°15'10.0"	436	28.01.18	504	
A4	Central	Bankura North	Sonamukhi	Indkata	Bense-120	30.00	100	23°16'40.2"	087°26'36.5"	357	03.03.18	504	
A4	Central	Bankura North	Sonamukhi	Indkata	Rajdaha-121	20.00	100	23°16'02.2"	087°27'09.8"	422	05.02.18	507	
A4	Central	Bankura North	Sonamukhi	Indkata	Junsura-122	10.00	100	23°16'12.7"	087°27'06.8"	380	06.02.18	503	
A4	Central	Bankura North	Sonamukhi	Manikbazar	Manikbazar-183	80.00	100	23°12'37.1"	087°24'04.4"	41	08.02.18	506	
A4	Central	Bankura North	Radhanagar	Balarampur	Radhakrishnapur-168	30.00	100	23°14'52.2"	087°22'09.0"	417	10.02.18	506	
A4	Central	Bankura North	Beliatore	Kundulia	Bonmadhabpur-314	20.00	100	23°13'22.6"	087°13'25.3"	480	18.01.18	501	
A4	Central	Bankura North	Beliatore	Brindabanpur	Saulia-201, Gangabandh-200	60.00	100	23°18'44.3"	087°19'20.5"	446	19.01.18	501	
A4	Central	Bankura North	Beliatore	Brindabanpur	Mathurabaria-198, Nityanandapur-199	40.00	100	23°19'24.5"	087°19'14.4"	436	23.01.18	510	
A4	Central	Bankura North	Beliatore	Brindabanpur	Kantabesia-198	10.00	100	23°19'03.6"	087°18'23.1"	388	29.01.18	503	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	Length of SMC works in RMT/hec.	Remarks
A4	Central	Bankura North	Beliatore	Khag	Jorsal-164	15.00	100	23°15'46.3"	087°12'49.6"	436	30.01.18	503	
A4	Central	Bankura North	Beliatore	Khag	Kusma-16, Methana-167	15.00	100	23°17'49.6"	087°14'59.8"	450	04.02.18	502	
A4	Central	Bankura North	Bankura North	Belboni	Rasiknagarpur-299	20.00	100	23°18'06.9"	087°09'29.2"	425	01.02.18	501	
A4	Central	Bankura North	Bankura North	Belboni	Kantapesia-311, Baromesia-307	30.00	100	23°14'08.4"	087°12'02.3"	391	30.01.18	503	
A4	Central	Bankura South	Simlatal	Simlatal	Krishnapur-137	20.00	100	22°56'22.2"	87°06'08.6"	483	17.01.18	504	
A4	Central	Bankura South	Ranibandh	Ranibandh	Barapacha-123	20.00	100	23°49'20.6"	086°44'43.4"	480	15.02.18	505	
A4	Central	Bankura South	Ranibandh	Ranibandh	Mahadevsinan-121	20.00	100	23°50'38.2"	086°43'40.7"	520	16.02.18	503	
A4	Central	Bankura South	Ranibandh	Ranibandh	Ledapukur-120	20.00	100	23°50'48.4"	086°44'07.0"	433	17.02.18	506	
A4	Central	Bankura South	Ranibandh	Ranibandh	Mitham-122	50.00	100	22°51'40.7"	086°42'58.4"	480	20.02.18	504	
A4	Central	Bankura South	Ranibandh	Ranibandh	Mitham-122	10.00	100	22°49'35.4"	086°46'25.4"	420	20.02.18	501	
A4	Central	Bankura South	Ranibandh	Ranibandh	Buriam-112	20.00	100	22°50'52.3"	086°48'36.7"	453	14.02.18	504	
A4	Central	Bankura South	Ranibandh	Punshya	Laledi-155	25.00	100	22°48'48.8"	086°45'41.4"	393	28.02.18	502	
A4	Central	Bankura South	Ranibandh	Punshya	Punshya-161	30.00	100	22°48'23.4"	086°46'09.2"	420	27.02.18	504	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	Length of SMC works in RMT/hec.	Remarks
A4	Central	Bankura South	Ranibandh	Punshya	Khejurkhanna-173	60.00	100	22°47'03.9"	086°47'34.5"	482	13.02.18	504	
A4	Central	Bankura South	Motgoda	Pirra	Nachana-107	125.00	100	22°51'06.1"	086°49'24.7"	496	26.02.18	504	
A4	Central	Panchet	Onda	Chingani	Dhaboni-50	15.00	100	23°05'18.2"	087°08'55.4"	410	02.02.18	503	
A4	Central	Panchet	Joypur	Kuchiakole	Khanabari-Makarandapur-62	10.00	100	22°59'43.5"	087°27'04.9"	386	03.02.18	505	
A4	Central	Panchet	Bankadaha	Amdangra	Murakati-134	10.00	100	22°55'45.7"	087°14'01.6"	430	05.03.18	507	
A4	Central	Panchet	Bishnupur	Chougan	Benachapra-118, Basudevpur-107	5.00	100	23°02'04.5"	087°20'46.0"	350	04.02.18	503	
A4	Central	Panchet	Joypur	Machantala	Jangalmahal-85	10.00	100	23°04'45.1"	087°22'48.5"	408	03.02.18	504	
A4	Central	Panchet	Bankadaha	Bankadaha	Dundur-62(116)	10.00	100	23°01'10.3"	087°21'28.9"	380	05.03.18	505	
A4	South-East	Birbhum	Md. Bazar	Mallarpur	Ghaga-17	20.00	100	24°04'30"	087°41'02"	168	23.02.18	200	
A4	South-East	Birbhum	Dubrajpur	Khairasole	Jhatibona-51	20.00	100	23°50'11.7"	087°15'52.1"	280	24.02.18	200	
A4	South-East	Burdwan	Durgapur	Gopalpur	Pathordiha-52	50.00	100	23°32'30.9"	087°25'00.4"	182	25.02.18	198	
A4	South-East	Burdwan	Guskara	Pratappur	Kuldiha-53	50.00	100	23°29'20.0"	087°33'19.4"	189	26.02.18	190	
A4	South-East	Burdwan	Panagarh	Aduria	Jalikandar-11	10.00	100	23°32'16.6"	087°32'49.9"	190	27.02.18	200	
A4	South-East	Burdwan	Panagarh	Aduria	Hedogoria-12	30.00	100	23°33'47.0"	087°32'25.2"	185	28.02.18	200	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	Length of SMC works in RMT/hec.	Remarks
A4	South-East	Burdwan	Panagarh	Aduria	Amarpur-15	10.00	100	23°32'39.9"	087°30'44.4"	180	27.02.18	216	
A4	South-West	Purulia	Jhalda	Kalma	Kudagara-13	30.00	100	23°28'28.8"	085°54'58.0"	600	16.01.18	580	
A4	South-West	Purulia	Ajodhya	Ajodhya	Ajodhya	80.00	100	23°12'46.0"	086°07'45.7"	494	10.01.18, 11.01.18	375	
A4	South-West	Purulia	Jhalda	Kalma	Jarantnr-31	50.00	100	23°23'34.1"	085°56'26.2"	444	17.01.18	428	
A4	South-West	Purulia	Bagmundi	Kalimati	Bagti	10.00	100	23°15'44.1"	085°56'25.6"	600	14.01.18	668	
A4	South-West	Purulia	Bagmundi	Bagmundi	Nischintapur-63	20.00	100	23°13'38.0"	086°00'56.1"	473	15.01.18	832	
A4	South-West	Purulia	Bagmundi	Barda	Burda	10.00	100	23°15'14.3"	086°00'44.0"	483	14.01.18	560	
A4	Western	Jhargram	Gidhni	Kanaisole	Dumuria-75	83.00	100	22°29'04.7"	086°49'16.4"	183	08.03.18 to 11.03.18	500	
A4	Western	Jhargram	Gidhni	Amtolia	Amtolia-80	67.00	100	22°28'50.9"	086°44'56.3"	227	12.03.18 to 15.03.18	500	
A4	Western	Kharagpur	Hijli	Porapara	Bhetia-166	20.00	100	22°14'47.1"	087°17'02.0"	344	08.12.17	506	
A4	Western	Kharagpur	Hijli	Khajra	Kapasgeria-13, Barchati-14	25.00	100	22°11'49.6"	087°14'08.2"	323	08.12.17, 09.12.17	506	
A4	Western	Kharagpur	Hijli	Khajra	Lengamara-12	10.00	100	22°11'20.3"	087°16'11.1"	306	09.12.17	508	
A4	Western	Kharagpur	Chandabila	Patina	Tiakati-10	25.00	100	22°08'56.4"	087°02'15.5"	310	08.12.17, 09.12.17	439	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	Length of SMC works in RMT/hec.	Remarks
A4	Western	Kharagpur	Chandabila	Patina	Khasjungle-11	65.00	100	22°07'49.9"	087°01'12.4"	309	10.12.17 to 12.12.17	500	
A4	Western	Kharagpur	Chandabila	Chandabila	Dulki-25	25.00	100	22°03'31.3"	087°00'30.7"	305	10.12.17, 11.12.17	500	
A4	Western	Kharagpur	Chandabila	Barpat	Pathardahara-30	30.00	100	22°07'10.7"	087°00'22.1"	305	12.12.17, 13.12.17	496	
A4	Western	Kharagpur	Nayagram	Nayagram	Sitalpur-146	35.00	100	22°01'12.2"	087°10'21.4"	274	10.12.17, 11.12.17	352	
A4	Western	Kharagpur	Keshorrekha	Baligeria	Khasjungle-96	35.00	100	21°58'51.3"	087°03'41.7"	307	12.12.17, 13.12.17	430	
A4	Western	Midnapur	Godapeasal	Ghagrasole	Durgadaspur-471	35.00	100	22°31'51.8"	087°18'04.2"	319	07.03.18, 08.03.18	502	
A4	Western	Midnapur	Godapeasal	Ghagrasole	Norsinghapur-241	10.00	100	22°31'44.2"	087°17'04.9"	308	09.03.18	508	
A4	Western	Midnapur	Godapeasal	Karamsole	Pirrakuli-278	10.00	100	22°36'05.6"	087°15'10.4"	312	10.03.18	500	
A4	Western	Midnapur	Arabari	Socio	Majhigarh-15	10.00	100	22°39'31.4"	087°23'10.6"	292	11.03.18	503	
A4	Western	Midnapur	Arabari	Gopalbandh	Gopalbandh-13	20.00	100	22°39'07.4"	087°22'55.3"	326	12.03.18	450	
A4	Western	Midnapur	Bhadutala	Bhadutala	Khasjungle-513	20.00	100	22°29'20.5"	087°19'43.5"	309	13.03.18, 14.03.18	491	
A4	Western	Midnapur	Bhadutala	Moupal	Karamarasole-215	20.00	100	22°30'16.9"	087°14'16.9"	315	15.03.18, 16.03.18	494	
A4	Western	Midnapur	Bhadutala	Moupal	Paruabandh-195	20.00	100	22°31'32.2"	087°14'02.8"	313	17.03.18, 18.03.18	495	
A4	Western	Midnapur	Bhadutala	Moupal	Khasjungle-227	20.00	100	22°28'32.6"	087°15'37.0"	350	03.03.18, 04.03.18	499	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	Length of SMC works in RMT/hec.	Remarks
A4	Western	Midnapur	Bhadutala	Moupal	Khasjungle-227	20.00	100	22°28'36.2"	087°15'45.4"	328	05.03.18	484	
A4	Western	Midnapur	Bhadutala	Bhadutala	Nischintapur-516	10.00	100	22°29'21.4"	087°18'54.4"	293	06.03.18	478	
A4	Western	Midnapur	Nayabasad	Kiyamacha	Bhaturbandi-293	20.00	100	22°45'09.9"	087°15'08.2"	350	07.03.18, 08.03.18	497	
A4	Western	Midnapur	Nayabasad	Nayabasad	Damodarpur-316	30.00	100	22°42'31.5"	087°16'23.0"	304	09.03.18, 10.03.18	497	
A4	Western	Midnapur	Chandrakona	Andharnayan	Marchi-703	15.00	100	22°41'58.2"	087°25'19.0"	298	11.03.18	503	
A4	Western	Midnapur	Chandra	Chandra	Chapasole-8	10.00	100	22°29'55.2"	087°08'46.4"	330	12.03.18	511	
A4	Western	Midnapur	Chandra	Gurguripal	Muchiberia-128	10.00	100	22°26'30.2"	087°14'16.4"	325	13.03.18	517	
A4	Western	Midnapur	Lalgarh	Lalgarh	Khas Jangal-779	18.00	100	22°35'22.8"	087°03'39.3"	342	16.03.18, 17.03.18	446	
A4	Western	Midnapur	Lalgarh	Lalgarh	Khas Jangal-785	10.00	100	22°34'49.2"	087°05'09.6"	287	18.03.18	497	
A4	Western	Midnapur	Lalgarh	Lalgarh	Khas Jangal-785	42.00	100	22°35'48.2"	087°02'49.1"	292	14.03.18, 15.03.18	407	
A4	Western	Rupnarayan	Goaltore	Barapatasole	Sirishboni-74	5.00	100	22°42'38.3"	087°05'51.2"	382	01.02.18	480	
A4	Western	Rupnarayan	Goaltore	Barapatasole	Murakati-77	15.00	100	22°41'58.7"	087°07'49.9"	334	02.02.18	518	
A4	Western	Rupnarayan	Goaltore	Ramgarh	Jungle Khas-681	10.00	100	22°40'10.9"	087°06'06.2"	397	03.02.18	519	
A4	Western	Rupnarayan	Goaltore	Goaltore	Panisole-5	15.00	100	22°39'40.8"	087°10'55.5"	304	04.02.18	541	
A4	Western	Rupnarayan	Goaltore	Barapatasole	Dhachati-24	8.00	100	22°39'35.6"	087°06'57.9"	345	01.02.18	519	
A4	Western	Rupnarayan	Goaltore	Ramgarh	Jangalkhas-688	10.00	100	22°39'12.4"	087°05'46.2"	306	03.02.18	530	
A4	Western	Rupnarayan	Mahalisai	Ruparghagra	Karanji-6	12.00	100	22°49'34.5"	087°06'18.6"	289	05.02.18	520	
A4	Western	Rupnarayan	Mahalisai	Ruparghagra	Bonkati-15	20.00	100	22°48'21.9"	087°05'37.5"	278	06.02.18	498	

Model	Circle	DMU	FMU	Beat	Location	Area	SP	Lat. (N)	Long. (E)	Height	Date of Survey	Length of SMC works in RMT/hec.	Remarks
A4	Western	Rupnarayan	Mahalisai	Ruparaghara	Rongilala-57, Kharkata-52	50.00	100	22°47'09.1"	087°05'53.3"	291	07.02.18 to 09.02.18	502	
A4	Western	Rupnarayan	Garhbeta	Dhadika	Kharikasuli-552	10.00	100	22°55'57.2"	087°21'39.0"	312	10.02.18	501	
A4	Western	Rupnarayan	Hoomgarh	Hoomgarh	Hodhadi-360	15.00	100	22°47'45.6"	087°15'42.9"	338	11.02.18	502	
A4	Western	Rupnarayan	Hoomgarh	Baromesia	Baribot-233	5.00	100	22°47'55.9"	087°13'48.1"	325	11.02.18	502	
A4	Western	Rupnarayan	Hoomgarh	Amlasuli	Peruabad-28	25.00	100	22°50'52.7"	087°08'38.7"	296	12.02.18	378	
A4	Western	Rupnarayan	Amlagora	Raskundu	Panikotor-748	10.00	100	22°48'22.6"	087°25'20.3"	270	13.02.18	501	
A4	Western	Rupnarayan	Amlagora	Chandabila	Dhannardi-644	10.00	100	22°50'00.0"	087°24'11.3"	307	14.02.18	500	
A4	Western	Rupnarayan	Amlagora	Chandabila	Dhobaberia-642, Jemuasol-641	10.00	100	22°50'57.1"	087°23'20.9"	297	14.02.18	511	



Area-10 ha., DMU- Midnapore, FMU- Chandrakona, Beat- Andharnayan, Mouza- Chototara-714, Model- A2, Under- JICA, Year-2017.

“The cleanest way into the universe is through a forest wilderness”



**Survey Monitoring Report on
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