



Survey Monitoring Report

South Bengal 2022

under the Namami Gange



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

Foreword

Monitoring is an essential tool to ascertain the relative success of any plantation. Every plantation is a long term investment in financial and environmental terms. Forest Directorate has its own monitoring wing equipped and trained for the purpose, which records information on different growth parameters like: survival, height, girth of the plantation, site quality, maintenance of plantation journal, following working plan prescriptions. Generally, a sampling intensity varies from 5% to 7.5% is adopted for the purpose.

The plantation created under Namami Gange scheme during the year 2022 spread over 626.04 Ha. (1st year monitoring) which include Avenue Plantation (85 ha.), Institutional Plantation (144.04 ha.), Quick Growing Species (297 ha.), River Bank Afforestation (50 ha.) and Sal & Associates (50 ha.). Plantations were raised in different forest Divisions of South West Bengal. Over all, plantations have shown higher level of success with a weighted survival percentage of 87%.

I congratulate participating Divisions led by the respective Chief Conservator Forests and Divisional Forest Officers for raising truly good plantations. I extend my sincere appreciation to the Monitoring team led by the Divisional Forest Officer, Monitoring (South) Division who had painstakingly undertaken exercise against all odds with active encouragement from his senior officers from this wing.

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



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

Preface

Monitoring of plantations created by the forest Divisions is a needful mechanism to assess the quality of plantations. Forests Directorate has its own Monitoring Wing equipped and trained for the purpose, which records information on survival, height etc. Generally a sampling intensity varies from 7.5% to 5% is adopted for the purpose.

The plantation created under Namami Gange scheme during the year 2022 spread over 626.04 ha. (1st Year monitoring) in Avenue Plantation (85 ha.), Institutional Plantation (144.04 ha.), Quick Growing Species (297 ha.), River Bank Afforestation (50 ha.) and Sai & Associates (50 ha.) model. Plantations were raised in different forest Divisions of South West Bengal. Over all, plantations have shown higher level of success with a weighted survival percentage of 87%.

I am grateful to The Principal Chief Conservator of Forests, Research, Monitoring & Development, West Bengal, The Addl. Principal Chief Conservator of Forests, Research & Monitoring, West Bengal, and The Chief Conservator of Forests, Monitoring & Evaluation, West Bengal for their kind co – operation to complete the monitoring.

I appreciate the effort of monitoring team led by The Divisional Forest Officer, Monitoring (South) Division who could complete the huge field work timely in spite of new financial operating guidelines of the government and bringing out this report in time.

I extend my personal gratitude to all my colleague for their advice and co - operation.


Conservator of Forests
Monitoring Circle, West Bengal.

Acknowledgement

The major function of Divisional Forest Officer 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, scheme etc. of from Divisional Forest Officer of different division of South Bengal.
2. Verify the data in field by collecting Regeneration Map and FORM-1.
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 DFOs to get their comment and also for if there is any correction.
6. Preparation of the draft report and submit the same to the Conservator of Forests, Monitoring Circle, West Bengal.
7. After inclusion the corrections and suggestions of the Conservator of Forests, Monitoring Circle, West Bengal.
8. 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, Western Circle, South East Circle, South West Circle, Field Director- Sundarban Tiger Reserve, Conservator of Forests- Parks & Gardens Circle and Joint Director- Sundarban Biosphere Reserve.

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

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

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 Data Entry Operator & other staff of Monitoring (South) Division for designing, typing and continues work for publication of a smooth monitoring report and bearing me for carrying my order even in odd time.


Divisional Forest Officer,
Monitoring (South) Division

Draft Report on Plantation raised under Namami Gange scheme
Monitoring done during the year 2022-23

Total 626.042ha. of plantation monitored during the F.Y. 2022-23 is raised under Namami Gange scheme at South Bengal. The detail of plantation area division wise is given below-

Circle/Division	Area	WSP	WPS	Av. Ht.
Central	119	95	84	115
BNK (N)	20	87	77	119
PNCT	99	97	85	113
P & G	20	88	65	136
Howrah	15	92	73	134
URF	5	73	42	141
SBR	50.03	80	61	130
24 PGS (N)	2	81	63	130
24 PGS (S)	16	74	53	130
N & M	32.03	83	65	130
South-East	79	96	82	101
BDN	45	97	86	106
BIR	10	91	78	100
DGP	24	95	76	96
South-West	358.01	83	64	94
EFD	99.01	71	51	95
KNG (N)	82	76	64	101
KNG (S)	80	95	75	90
PRL	97	91	68	94
Grand Total	626.04	87	70	103

Methodology-

- ❖ Copies of regeneration maps along with plantation journals are collected from the respective Divisions.
- ❖ Location, area, spacing, planting scheme etc. are also recorded as check list.
- ❖ A grid line as per scale is laid over the map with quadrates of 50m x 50m & each grid is serially numbered.
- ❖ Numbers of Sample plots (grids) are chosen randomly using the statistical random number table.
- ❖ The selected sample plots are identified in the field.
- ❖ Boundary corners are clearly marked with raised earthen mound topped with painted peg and geo-location is recorded.

- ❖ The area of plantation is checked in the field by traversing with GPS.
- ❖ At the time of Survey & Monitoring, the staff of respective Range remains present & put their initials on the data sheets as the sign of authentication.

Overall Weighted Survival Percentage & Weighted Performance Score-

Area (Ha.)	WPS	Grade	WSP	Category
626.04	87	Excellent	70	C

Model wise Area, Weighted Survival Percentage & Weighted Performance Score-

Scheme	Area (Ha.)	WSP	WPS
Avenue Plantation	85	89	78
Institutional Plantation	144.04	77	60
QGS	297	91	70
River Bank Afforestation	50	73	68
Sal & Associates	50	96	84
Grand Total	626.04	87	70



Division & Model wise Weighted Survival Percentage & Weighted Performance Score-

Area in ha. & Height in cm

Division	Avenue Plantation			Institutional Plantation			QGS			River Bank Afforestation			Sal & Associates			Total			
	Area	WSP	WPS	Area	WSP	WPS	Area	WSP	WPS	Area	WSP	WPS	Area	WSP	WPS	Area	WSP	WPS	Av. Ht.
BNK (N)	4	98	99	1	96	88	12	97	81	3	32	29				20	87	77	119
PNCT	15	98	98	44	95	79	20	99	94				20	98	83	99	97	85	113
Howrah	5	94	73				5	92	73	5	91	73				15	92	73	134
URF				5	73	42										5	73	42	141
24 PGS (N)	2	81	63													2	81	63	130
24 PGS (S)	16	74	53													16	74	53	130
N & M				30.03	83	65				2	82	59				32.03	83	65	130
BDN	10	97	93	5	91	78	20	98	82	10	98	89				45	97	86	106
BIR	5	91	81	5	91	75										10	91	78	100
DGP	2	94	85	2	91	75	10	96	75	10	96	74				24	95	76	96
EFD	19	85	69	40.01	53	35	40	82	57							99.01	71	51	95
KNG (N)				2	35	44	60	86	64	10	4	44	10	92	83	82	76	64	101
KNG (S)	2	89	72	3	78	52	65	95	73				10	100	98	80	95	75	90
PRL	5	94	91	7	71	53	65	92	66	10	95	77	10	92	74	97	91	68	94
TOTAL	85	89	78	144.04	77	60	297	91	70	50	73	68	50	96	84	626.04	87	70	103

Detail Monitoring Data-

CIRCLE	SCHEME	DIVISION	RANGE	BEAT	LOCATION	AREA	1 YR SP	LAT	LONG	Height	DATE OF SURVEY	WORKING CIRCLE	SMC	PS
Central	Avenue Plantation	BNK (N)	BNK (N)	Belboni	Makurgram to Kadmaghati	2	97	23°17'35.63"	087°10'20.00"	172	27.01.23	Dev.	Not found	99
Central	Institutional Plantation	BNK (N)	BNK (N)	Kanchanpur	Bankura University	1	96	23°16'38.21"	087°05'06.88"	167	27.01.23	Dev.	Not found	88
Central	River Bank Afforestation	BNK (N)	BNK (N)	Salboni	Jagannath Roy Dihi	2	0	23°14'0.78"	087°00'23.85"	0	27.01.23	Dev.		0
Central	Avenue Plantation	BNK (N)	BNK(N)	Salboni, Kanchanpur	Bankura More to Kanchanpur	2	98	23°15'35.45"	087°05'22.92"	130	27.01.23	Dev.	Not found	99
Central	QGS	BNK (N)	Chatna	Jhantipahari	Balarampur-142	12	97	23°18'59.62"	086°53'49.00"	105	27.01.23	Dev.	Not found	81
Central	River Bank Afforestation	BNK (N)	Chatna	Jhantipahari	Balarampur-142	1	96	23°18'47.72"	086°53'39.56"	140	27.01.23	Dev.	Not found	88
Central	QGS	PNCT	Bankadaha	Bankadaha	Dundar-62,116	10	99	23°00'09.24"	087°22'31.49"	144	27.01.23	Dev.	400	99
Central	Avenue Plantation	PNCT	Bishnupur	Bishnupur-I, II	Jamunabandh-97, Jhantibari-270	10	98	23°03'44.57"	087°17'58.60"	148	25.01.23	Dev.	Not found	98
Central	Institutional Plantation	PNCT	Bishnupur	Chougan	Turkisitarampur-100	7	99	23°03'10.14"	087°18'50.36"	95	23.01.23	Dev.	Not found	89
Central	Institutional Plantation	PNCT	Bishnupur	Chougan	Benachapra-118	14	95	23°02'39.33"	087°18'46.95"	105	24.01.23	Dev.	Not found	81
Central	Institutional Plantation	PNCT	Bishnupur	Chougan	Kalachand Temple	3	99	23°03'35.80"	087°19'25.99"	118	24.01.23	Dev.	Not found	96
Central	Institutional Plantation	PNCT	Bishnupur	Chougan	Bishnupur Municipality-101	2	96	23°04'08.01"	087°19'29.39"	91	24.01.23	Dev.	Not found	78
Central	Institutional Plantation	PNCT	Bishnupur	Chougan	Bishnupur Municipality-101	3	96	23°04'22.4"	087°19'29.90"	101	24.01.23	Dev.	Not found	81
Central	Sal & Associates	PNCT	Bishnupur	Chougan	Chougan-102	5	96	23°02'51.98"	087°19'57.78"	89	23.01.23	Dev.	330	88

CIRCLE	SCHEME	DIVISION	RANGE	BEAT	LOCATION	AREA	1 YR SP	LAT	LONG	Height	DATE OF SURVEY	WORKING CIRCLE	SMC	PS
Central	Sal & Associates	PNCT	Bishnupur	Chougan	Benachapra-118	15	98	23°02'05.56"	087°19'33.71"	73	23.01.23	Dev.	436	81
Central	QGS	PNCT	Joypur	Machantala	Kantabon-83	10	98	23°05'03.50"	087°25'18.38"	154	27.01.23	Dev.	393	88
Central	Avenue Plantation	PNCT	Onda	Onda	Puncha Patpur to Birairiver	5	97	23°06'58.57"	087°14'36.02"	133	25.01.23	Dev.	Not found	98
Central	Institutional Plantation	PNCT	Onda	Onda	Onda, Churiaipur Railway	15	92	23°06'30.04"	087°16'31.89"	100	25.01.23	Dev.	Not found	68
P & G	Avenue Plantation	Howrah	Hooghly SF	Pandua	High Power Transmitter Premises (Champarui)	5	94	23°01'4.542"	088°21'19.300"	131	27.02.23			73
P & G	QGS	Howrah	Hooghly SF	Pandua	High Power Transmitter Premises (Champarui)	5	92	23°01'40.46"	088°21'8.84"	131	28.02.23			73
P & G	River Bank Afforestation	Howrah	Hooghly SF	Singur	Dakatia Canal Both Side, Khejuria	5	91	22°48'46.593"	088°05'11.227"	139	01.03.23			73
P & G	Institutional Plantation	URF	Kalyani	Kalyani Picnic Garden	ICAR-National Dairy Research Institute, Eastern Regional Station	5	73	22°06'77.5"	088°45'34.4"	141	02.03.23, 03.03.23			42
SBR	Avenue Plantation	24 PGS (N)	Barrackpur	Barrackpur-II	Barrackpur Cantonment	2	81	22.76257778	88.35614444	130	16.03.23			63
SBR	Avenue Plantation	24 PGS (S)	Namkhana	Sagar	Chowrongi to Mayagoyalinir Ghat	8	81	21.72437	88.08937	130	17.03.23			63
SBR	Avenue Plantation	24 PGS (S)	Ramganga	Pathar Pratima	Gobindapur	8	66	21.76796	88.336542	130	17.03.23			43

CIRCLE	SCHEME	DIVISION	RANGE	BEAT	LOCATION	AREA	1 YR SP	LAT	LONG	Height	DATE OF SURVEY	WORKING CIRCLE	SMC	PS
SBR	Institutional Plantation	N & M	Baharampur (N)	Lalbag	Doulatpur, Radhakantapur, Nashipur	2.7	87	24.30822	88.38288	130	14.03.23			69
SBR	Institutional Plantation	N & M	Baharampur (N)	Lalbag	SD Hospital	3.33	81	24.17067	88.275263	130	14.03.23			59
SBR	Institutional Plantation	N & M	Krishnanagar	Bethudahari	Lohagahhi	1	68	23.53572	88.41149	130	15.03.23			49
SBR	Institutional Plantation	N & M	Krishnanagar	Bethudahari	Matiary	1	81	23.62956	88.19368	130	15.03.23			59
SBR	River Bank Afforestation	N & M	Krishnanagar	HQR	Charmajdia	2	82	23.39286	88.37477	130	15.03.23			59
SBR	Institutional Plantation	N & M	Raghunathganj	Raghunathganj	Aligarh Muslim University	5	71	24.5202	88.04605	130	13.03.23			49
SBR	Institutional Plantation	N & M	Ranaghat	Kalyani	Kalyani AIIMS	6	96	22.96891	88.52707	130	16.03.23			89
SBR	Institutional Plantation	N & M	Ranaghat	Kalyani	Kalyani University	5	89	22.98426	88.4355	130	16.03.23			69
SBR	Institutional Plantation	N & M	Ranaghat	Kalyani	Kalyani BSF CAMP	1	62	22.96236	88.54471	130	16.03.23			49
SBR	Institutional Plantation	N & M	Tahatta	Karimpur	Pannadevi College Campus 0.7 ha. & ADO Office campus 4.3 ha.	5	90	23.98217	88.63931	130	15.03.23			69
South-East	QGS	BDN	Durgapur	Basudha	Banagram-29	10	98	23°35'30.5"	087°27'31.1"	90	06.03.23	Dev.		86
South-East	Avenue Plantation	BDN	Katwa SF	Ketugram	Keuguri-101, Mougram-102, Naliapur-114, Sitahati-116, Naihati-117	10	97	23°41'48.9"	088°08'38.1"	114	08.03.23	Dev.		93

CIRCLE	SCHEME	DIVISION	RANGE	BEAT	LOCATION	AREA	1 YR SP	LAT	LONG	Height	DATE OF SURVEY	WORKING CIRCLE	SMC	PS
South-East	Institutional Plantation	BDN	Katwa SF	Katwa, Mangalkote & Ketugram	Jaggewardi-111, Khajurdi-28, Srikhanda-07, Sudpur-30, Palita-51, Padugram-58	5	91	23°37'83.6"	087°07'72.4"	100	08.03.23	Dev.		78
South-East	River Bank Afforestation	BDN	Katwa SF	Nomgalkote	Kowarpur-96	10	98	23°38'12.3"	087°59'13.0"	113	08.03.23	Dev.	375	89
South-East	QGS	BDN	Panagarh	Kasba	Kasba-152	3	99	23°20'29.0"	087°31'05.4"	108	07.03.23	Dev.	250	86
South-East	QGS	BDN	Panagarh	Kasba	Kenduatikuri-59	7	97	23°20'16.9"	087°31'29.7"	108	07.03.23	Dev.	750	75
South-East	Avenue Plantation	BIR	Bolpur	Bolpur	Ikkhudhara-160, Itanda-155	5	91	23°36'23.1"	087°46'41.0"	113	09.01.23	Dev.		81
South-East	Institutional Plantation	BIR	Bolpur	Bolpur	Kendradangal (Seacom Skills University) & Khoskdanpur (Bolpur Sub-divisional Hospital)J L. No. 57 & 95	5	91	23°40'27.0"	087°43'22.1"	87	09.01.23	Dev.		75
South-East	Institutional Plantation	DGP	Asansol (T)	Hadla	Dhanudi-22	2	91	23°47'53.4"	086°50'30.1"	96	11.03.23	Dev.	125	75
South-East	River Bank Afforestation	DGP	Asansol (T)	Hadla	Ramnagar-11	5.5	96	23°45'00.2"	086°49'33.9"	89	11.03.23	Dev.	250	74
South-East	River Bank Afforestation	DGP	Asansol (T)	Hadla	Hadla-23	4.5	96	23°47'16.3"	086°49'33.3"	87	11.03.23	Dev.	250	75
South-East	Avenue Plantation	DGP	Ukhra	Kantaberia	Shaymsundarpur-7	2	94	23°41'40.7"	087°23'29.8"	124	10.03.2	Dev.		85

CIRCLE	SCHEME	DIVISION	RANGE	BEAT	LOCATION	AREA	1 YR SP	LAT	LONG	Height	DATE OF SURVEY	WORKING CIRCLE	SMC	PS
South-East	QGS	DGP	Ukhra	Tilaboni	Bilpahari-2	10	96	23°43'35.1"	087°14'46.8"	86	10.03.23	Dev.	375	75
South-West	Avenue Plantation	EFD	Planning EF		Jhupra More to Oaint Factory-125	3	93	23°28'48.32"	086°32'09.10"	118	15.03.23	Dev.		82
South-West	Avenue Plantation	EFD	Planning EF		Barasini ICDS to Dumurdih-109	8	76	23°26'24.91"	086°29'21.48"	100	11.03.23	Dev.		52
South-West	Avenue Plantation	EFD	Planning EF		Charrah to Bandhan Cement Factory-131	4	89	23°23'09.89"	086°25'34.03"	147	11.03.23	Dev.		75
South-West	Avenue Plantation	EFD	Planning EF		Char Sarak to Charrah Kali Mandir-131	4	91	23°22'45.20"	086°24'46.71"	129	11.03.23	Dev.		85
South-West	Institutional Plantation	EFD	Planning EF		Ghonga High School-27	0.5	53	23°24'43.16"	086°19'06.43"	115	15.03.23	Dev.		42
South-West	Institutional Plantation	EFD	Planning EF		Hatuara Medical Hospital-64	2.24	62	23°21'34.57"	086°23'58.03"	88	15.03.23	Dev.		35
South-West	Institutional Plantation	EFD	Planning EF		Para Model School	1.76	52	23°28'23.77"	086°26'21.26"	92	15.03.23	Dev.		38
South-West	Institutional Plantation	EFD	Planning EF		Manbhum Victoria High School-29/2	0.69	50	23°19'54.23"	086°21'27.15"	85	15.03.23	Dev.		35
South-West	Institutional Plantation	EFD	Planning EF		Tantiberia (Charr 11th Battalion)-144	13	52	23°22'00.32"	086°25'38.02"	84	11.03.23	Dev.		35
South-West	Institutional Plantation	EFD	Planning EF		Bihapura-145, Jhupra-146, Tantibia-149	5.4	53	23°22'05.24"	086°24'59.67"	72	11.03.23	Dev.		35
South-West	Institutional Plantation	EFD	Planning EF		Tantibia-144, Chharra-131, Bihapura-145	5.9	50	23°22'04.29"	086°25'30.12"	80	15.03.23	Dev.		35
South-West	Institutional Plantation	EFD	Planning EF		Sidhu Kanho Birsha University (2nd Campus)	8.1	47	23°22'22.98"	086°26'20.58"	83	11.03.23	Dev.		35

CIRCLE	SCHEME	DIVISION	RANGE	BEAT	LOCATION	AREA	1 YR SP	LAT	LONG	Height	DATE OF SURVEY	WORKING CIRCLE	SMC	PS
South-West	QGS	EFD	Planning EF		Bhangra-143	18	70	23°21'48.09"	086°26'12.12"	84	15.03.23	Dev.		35
South-West	QGS	EFD	Planning EF		Chitari-20	14	88	23°29'08.76"	086°23'24.58"	95	15.03.23	Dev.		68
South-West	Institutional Plantation	EFD	Purulia EF		Pendra Health Center - 187	0.31	73	23°13'40.01"	086°26'52.33"	82	14.03.23	Dev.		35
South-West	Institutional Plantation	EFD	Purulia EF		Matkumdih Jr. High School-212	0.55	70	23°12'00.56"	086°22'47.78"	79	14.03.23	Dev.		35
South-West	Institutional Plantation	EFD	Purulia EF		Durku High School-55	0.27	69	23°16'13.79"	086°22'10.92"	85	14.03.23	Dev.		35
South-West	Institutional Plantation	EFD	Purulia EF		Pichasi High School-191	0.76	69	23°15'24.46"	086°24'22.29"	93	14.03.23	Dev.		38
South-West	QGS	EFD	Purulia EF		Maldih	8	98	23°15'03.39"	086°27'38.56"	95	14.03.23	Dev.		89
South-West	Institutional Plantation	EFD	Raghunathpur EF		Bhamuria-98	0.53	79	23°39'21.07"	086°46'40.69"	90	14.03.23	Dev.		45
South-West	Institutional Plantation	KNG (N)	Hura	Keshargarh	Keshargarh High School-54	1	8	23°15'45.03"	086°33'12.94"	101	12.03.23	Dev.		44
South-West	QGS	KNG (N)	Hura	Rakab	Sijumakhna-49	10	89	23°17'49.57"	086°31'10.01"	101	12.03.23	Dev.		60
South-West	River Bank Afforestation	KNG (N)	Hura	Keshargarh	Hatikundar--56	5	6	23°16'49.81"	086°33'52.84"	101	12.03.23	Dev.		44
South-West	QGS	KNG (N)	Kashipur	Sonathali	Lakhipur-191	5	89	23°21'31.32"	086°42'21.74"	101	12.03.23	Dev.		60
South-West	QGS	KNG (N)	Puncha	Puncha	Chirudih-91/5045	5	97	23°13'56.85"	086°45'58.09"	101	10.03.23	Dev.		80
South-West	QGS	KNG (N)	Puncha	Puncha	Damodarpur-48, 261	10	98	23°13'02.11"	086°40'02.08"	101	10.03.23	Dev.		91
South-West	Sal & Associates	KNG (N)	Puncha	Puncha	Damodarpur-48	5	99	23°13'02.11"	086°40'02.08"	101	10.03.23	Dev.		98

CIRCLE	SCHEME	DIVISION	RANGE	BEAT	LOCATION	AREA	1 YR SP	LAT	LONG	Height	DATE OF SURVEY	WORKING CIRCLE	SMC	PS
South-West	QGS	KNG (N)	Purulia Para	Purulia I	Pichasi-191	5	64	23°15'20.48"	086°24'23.42"	101	15.03.23	Dev.		40
South-West	QGS	KNG (N)	Purulia Para	Purulia II	Loharsole-60	10	85	23°18'16.32"	086°24'01.47"	101	15.03.23	Dev.		50
South-West	Sal & Associates	KNG (N)	Purulia Para	Purulia II	Dubcharka-162	5	84	23°18'31.02"	086°27'14.42"	101	15.03.23	Dev.		67
South-West	Institutional Plantation	KNG (N)	Raghunathpur	Raghunathpur I	Naduara-127	1	61	23°31'22.98"	086°40'42.76"	101	10.03.23	Dev.		44
South-West	QGS	KNG (N)	Raghunathpur	Raghunathpur II	Dandua-23	5	52	23°35'16.96"	086°32'02.9"	101	10.03.23	Dev.		40
South-West	QGS	KNG (N)	Raghunathpur	Raghunathpur II	Barra-65	5	94	23°37'31.53"	086°36'49.82"	101	10.03.23	Dev.		70
South-West	QGS	KNG (N)	Raghunathpur	Raghunathpur II	Lalpur-54	5	95	23°33'31.67"	086°35'43.48"	101	10.03.23	Dev.		80
South-West	River Bank Afforestation	KNG (N)	Raghunathpur	Nituria	Mahesnadi-88	5	2.54	23°41.02.88"	086°47'46.04"	101	10.03.23	Dev.		44
South-West	Institutional Plantation	KNG (S)	Barabazar	Barabazar	Barabazar	0.3	72	23°02'05.58"	086°21'52.48"	107	12.03.23	Dev.		39
South-West	Institutional Plantation	KNG (S)	Barabazar	Barabazar	Baramukur	0.2	71	23°04'57.41"	086°23'36.02"	105	12.03.23	Dev.		44
South-West	QGS	KNG (S)	Barabazar	Bamundiha	Ropapatia-87	6	97	23°04'40.55"	086°22'45.53"	92	12.03.23	Dev.		77
South-West	QGS	KNG (S)	Barabazar	Barabazar	Rangagara-145	9	96	23°04'41.03"	086°21'07.81"	99	12.03.23	Dev.		77
South-West	QGS	KNG (S)	Barabazar	Bamundiha	Manpur-48	10	94	23°05'37.54"	086°22'56.10"	70	12.03.23	Dev.		63
South-West	Institutional Plantation	KNG (S)	Bundwan I	Bundwan I	Madhupur-15	1	90	23°53'19.17"	086°25'50.34"	87	11.03.23	Dev.		67
South-West	QGS	KNG (S)	Bundwan I	Pargora	Patkita-90	10	87	22°49'52.76"	086°29'06.75"	80	11.03.23	Dev.		53

CIRCLE	SCHEME	DIVISION	RANGE	BEAT	LOCATION	AREA	1 YR SP	LAT	LONG	Height	DATE OF SURVEY	WORKING CIRCLE	SMC	PS
South-West	QGS	KNG (S)	Bundwan II	Latapara	Poradihi	5	97	22°49'13.76"	086°30'08.70"	84	13.03.23	Dev.		80
South-West	QGS	KNG (S)	Bundwan II	Kunchina	Bhomragora-95	5	98	22°47'43.30"	086°26'06.10"	85	13.03.23	Dev.		84
South-West	QGS	KNG (S)	Jamuna	Dhadka	Dhadka-109	10	96	22°47'44.09"	086°30'40.51"	82	13.03.23	Dev.		77
South-West	QGS	KNG (S)	Jamuna	Kumra	Kumra-79	5	97	22°48'52.05"	086°34'19.26"	91	12.03.23	Dev.		77
South-West	Avenue Plantation	KNG (S)	Manbazar I	Manbazar	Banagram-121, Bhelapora-120, Patharkata-58	1	90	23°07'21.78"	086°39'19.73"	87	10.03.23	Dev.		77
South-West	Avenue Plantation	KNG (S)	Manbazar I	Manbazar	Indkuri Kalimandir to Raidungri	1	88	23°04'29.07"	086°39'29.50"	89	10.03.23	Dev.		67
South-West	Institutional Plantation	KNG (S)	Manbazar I	Sindurpur	Duarsini ITI, Bamni	0.1	82	23°03'00.41"	086°33'42.13"	97	10.03.23	Dev.		60
South-West	Institutional Plantation	KNG (S)	Manbazar I	Sindurpur	Bari Sashibhusan High School	0.06	81	23°07'02.18"	086°33'15.22"	81	10.03.23	Dev.		57
South-West	Institutional Plantation	KNG (S)	Manbazar I	Sindurpur	Sugatarn MSK	0.49	78	23°08'27.26"	086°33'33.46"	89	10.03.23	Dev.		47
South-West	Institutional Plantation	KNG (S)	Manbazar I	Sindurpur	Ragdi MSK, Sijadih	0.42	78	23°05'43.98"	086°34'48.04"	91	10.03.23	Dev.		50
South-West	Institutional Plantation	KNG (S)	Manbazar I	Sindurpur	Kuruktupa SMN College	0.12	73	23°10'21.50"	086°32'03.12"	92	10.03.23	Dev.		40
South-West	Institutional Plantation	KNG (S)	Manbazar I	Sindurpur	Kashidih CRC Vidyapith, Bhalubasa	0.25	54	23°04'00.51"	086°35'46.72"	90	10.03.23	Dev.		37
South-West	Institutional Plantation	KNG (S)	Manbazar I	Sindurpur	Khatchiri Primary School	0.06	50	23°08'30.25"	086°34'44.59"	88	10.03.23	Dev.		37
South-West	Sal & Associates	KNG (S)	Manbazar I	Sindurpur	Bagdega-32	10	100	23°07'14.28"	086°32'02.60"	98	10.03.23	Dev.		98

CIRCLE	SCHEME	DIVISION	RANGE	BEAT	LOCATION	AREA	1 YR SP	LAT	LONG	Height	DATE OF SURVEY	WORKING CIRCLE	SMC	PS
South-West	QGS	KNG (S)	Manbazar II	Kumari	Jagda-191	5	98	22°59'36.87"	086°32'51.66"	101	13.03.23	Dev.		91
South-West	Institutional Plantation	PRL	Ajoydhya	Ajoydhya	Ajoydhya-108	0.3	76	23°12'21.37"	086°07'47.34"	102	08.03.23	Dev.		54
South-West	Institutional Plantation	PRL	Ajoydhya	Ajoydhya	Ajoydhya-108	0.2	71	23°12'58.31"	086°07'13.73"	94	08.03.23	Dev.		40
South-West	Institutional Plantation	PRL	Arsha	Arsha	Deltar-38	0.5	73	23°18'06.57"	086°11'31.59"	86	05.03.23	Dev.		37
South-West	QGS	PRL	Arsha	Arsha	Torang-49	20	85	23°21'01.8"	086°09'07.6"	87	05.03.23	Dev.		47
South-West	Sal & Associates	PRL	Arsha	Arsha	Gurahata-67	10	92	23°15'26.08"	086°12'28.08"	82	05.03.23	Dev.		74
South-West	Institutional Plantation	PRL	Bagmundi	Bagmundi	Bagmundi-105	0.5	75	23°11'44.01"	086°02'42.73"	94	08.03.23	Dev.		44
South-West	Avenue Plantation	PRL	Balarampur	Balarampur	Bela-74, Ichadih-53	3.2	95	23°05'02.72"	086°11'00.03"	118	07.03.23	Dev.		95
South-West	Institutional Plantation	PRL	Balarampur	Balarampur	Juradih-70	0.7	90	23°04'34.43"	086°14'08.98"	90	07.03.23	Dev.		67
South-West	QGS	PRL	Balarampur	Balarampur	Berma-73	5	95	23°04'27.01"	086°12'57.83"	104	07.03.23	Dev.		80
South-West	QGS	PRL	Balarampur	Balarampur	Parbaid Kashitar-02	5	95	23°11'55.38"	086°11'54.67"	96	07.03.23	Dev.		67
South-West	Institutional Plantation	PRL	Jhalda	Khamar	Kudlang-78	1.5	89	23°15'50.01"	085°51'22.96"	103	05.03.23	Dev.		60
South-West	QGS	PRL	Jhalda	Kalma	Kalma-16	5	99	23°26'52.86"	086°56'11.52"	103	06.03.23	Dev.		91
South-West	Avenue Plantation	PRL	Joypur	Bangidiri	Bangidiri-36	1.8	92	23°32'09.55"	086°07'43.13"	106	04.03.23	Dev.		84
South-West	Institutional Plantation	PRL	Joypur	Talmu	Darikuri-20	0.4	37	23°30'30.91"	086°05'12.70"	99	04.03.23	Dev.		40

CIRCLE	SCHEME	DIVISION	RANGE	BEAT	LOCATION	AREA	1 YR SP	LAT	LONG	Height	DATE OF SURVEY	WORKING CIRCLE	SMC	PS
South-West	Institutional Plantation	PRL	Joypur	Talmu	Chowkibera-44	0.9	8	23°30'20.6"	086°43'27.8"	67	04.03.23	Dev.		37
South-West	QGS	PRL	Joypur	Bangidiri	Pundag-21	5	98	23°31'10.14"	086°04'29.46"	106	03.03.23	Dev.		80
South-West	QGS	PRL	Joypur	Talmu	Shalgram-18	10	94	23°31'01.73"	086°04'06.98"	95	03.03.23	Dev.		67
South-West	QGS	PRL	Joypur	Talmu	Ekdura-10	5	96	23°32'57.60"	086°02'15.77"	109	03.03.23	Dev.		80
South-West	QGS	PRL	Joypur	Talmu	Chotomalka-16	10	95	23°30'11.45"	086°03'21.11"	96	04.03.23	Dev.		67
South-West	Institutional Plantation	PRL	Kotshila	Simni	Simni-175	0.5	75	23°27'27.35"	086°00'06.21"	81	06.03.23	Dev.		47
South-West	Institutional Plantation	PRL	Kotshila	Nowahatu	Jiudura-232	0.5	83	23°25'15.30"	086°05'08.99"	85	06.03.23	Dev.		57
South-West	Institutional Plantation	PRL	Kotshila	Nowahatu	Kochahatu-234	0.5	79	23°24'18.46"	086°05'06.64"	78	06.03.23	Dev.		47
South-West	River Bank Afforestation	PRL	Kotshila	Simni	Benko-155	10	95	23°26'20.95"	085°56'53.11"	86	06.03.23	Dev.		77
South-West	Institutional Plantation	PRL	Matha	Pardih	Dhaska-141	0.5	97	23°07'38.50"	086°06'38.17"	87	08.03.23	Dev.		88











“সবুজের সমারহে প্রকৃতি হাসে,
গাছ লাগান সময়ের অবকাশে”



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