

2022-23

Survey Monitoring Report

MGNREGA and fund from IOCL Haldia Refinery



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

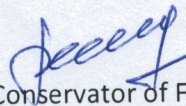
Foreword

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%. As a regular method for 1st year monitoring of plantations only. 7.5% sampling intensity has been followed till date but here for special monitoring method and for constraint of fund from funding division only 5% of the total sampled plantation has been monitored.

Purba Midnapore Territorial Division with aid from the MGNREGA and IOCL Haldia had financed for the monitoring of plantation programme spread over 610.60 ha.

Plantations were raised at Purba Midnapore Division and plantations have shown higher level of success with a weighted survival percentage of 91%.

I congratulate the Divisional Forest Officer, Purba Midnapore Division led by the respective Chief Conservator of Forests, Western Circle for raising truly good plantations. I extend my sincere appreciation to the Monitoring team, led by Sri Kalyan Rai, IFS, Divisional Forest Officer, Monitoring (South) Division who has painstakingly undertaken the exercise against all odds with active encouragement from his senior officers such as Conservator of Forests and Chief Conservator of Forests, who through their critical appreciation of the activities helped DFO to fine tune this work.


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

Acknowledgment

The functioning of the monitoring wing is to monitor the plantations created under the scheme, evaluate the same on set parameters and publication of the report. The whole process is executed by the Range Officer and staffs of the Divisional Forest Office, Monitoring (South) Division led by the Divisional Forest Officer and Asstt. Divisional Forest Officer of the division.

The process include-

1. Collection of preliminary data on plantation viz. location, scheme etc. from Divisional Forest Officer of Purba Midnapore Division.
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.
9. 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 & Evaluation, West Bengal and Conservator of Forests, Monitoring Circle, West Bengal.


I acknowledge the help and cooperation of Chief Conservator of Forests, Western Circle, West Bengal.

I am also thankful to the Divisional Forest Officer, Purba Midnapore Division and their team.

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

I am thankful to all the Range Officer, Midnapore Monitoring Range and their staff who sincerely completed the field work withintime frame in spite of several hindrances.

My special thanks goes to DEO, Monitoring (South) Division 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

Draft Report on Plantation raised under fund from IOCL Haldia Refinery
Monitoring done during the year 2022-23

Total 135.60 ha. of plantation monitored during the F.Y. 2022-23 is raised fund from IOCL Haldia Refinery at PurbaMidnapore Division. The detail of plantation area division wise is given below-

Scheme	Total Area (Ha.)
IOCL Block Plantation	9.2
IOCL CSB Plantation	22
IOCL Mangrove Plantation	100
IOCL Strip Plantation	4.4
Grand Total	135.6

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	WPS	Grade	WSP	Category
135.6	79	Very Good	91	A

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

Scheme	Area (ha)	WSP	WPS
IOCL Block Plantation	9.2	97	91
IOCL CSB Plantation	22	99	95
IOCL Mangrove Plantation	100	88	74
IOCL Strip Plantation	4.4	92	84
Total	135.6	91	79



Detail Monitoring Data-

Year	Scheme	Circle	Divn.	Range	Beat	Location	Area (ha)	1 st year SP	Lat. (N)	Long.(E)	height	Date of Survey	PS
2021	IOCL Strip Plantation	Western	PMID	Haldia	Balughata	At the front of Haldia Refinery	2.8	93	22°03'62.9"	088°02'74.2"	211	21.07.22	84
2021	IOCL Strip Plantation	Western	PMID	Haldia	Balughata	Balughata Beat Office to City Centre	1.6	91	22°03'62.9"	88°02'74.2"	124	22.07.22	84
2021	IOCL CSB Plantation	Western	PMID	Haldia	Balughata	Balughata -158	22	99	22°03'54.1"	88°02'00.7"	162	23.07.22	95
2021	IOCL Mangrove Plantation	Western	PMID	Haldia	Balughata	Beliari Char	100	88	22°01'46.6"	88°07'41.1"	67	24.07.22 to 26.07.22	74
2020	IOCL Block Plantation	Western	PMID	Haldia	Balughata	Gopalchak& Betkundu-167	6	98	22°10'52.9"	87°03'21.5"	237	28.07.22	95
2020	IOCL Block Plantation	Western	PMID	Haldia	Balughata	Barada& Chaitanyapur-38	3.2	95	22°8'22.5"	88°05'19.8"	237	29.07.22	84







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Communication-

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Survey Monitoring Report, MGNREGA and fund
from IOCL Haldia Refinery (2022-23)

