

NAWADA FOREST DIVISION											
Estimate for Development of Natural Forests (Block Plantation)								Wages Rate		412	
NAME OF THE RANGE								Rajauli			
NAME OF DISTRICT-								Nawada			
Name of the Block								Rajauli			
NAME OF THE (PLANTION SITE)								Gopalpur			
Thana & Thana No.								165			
Plot No.								135			
LENGTH OF TRENCH FENCING (IN hard soil in CHAIN)								23,100			
No of Plants								21	HA.		
NET AREA								27	HA.		
GROSS AREA								N - 24.576983			
G.P.S READING								E - 85.545569			
								N - 24.581633			
								E - 85.549270			
Item No	Description	Quantity	Unit	MDs	Wages	Material	Unit Rate	Estimated Amount			
								Wages	Material		
C-1	C-2	C-3	C-3	C-4	C-5	C-6	C-7	C-9	C-10		
FY-1	ADVANCE (FY 2024-25)										
5.1.1	Wages for survey and demarcation including construction of temporary pillars and digging of soil profile pit	27	ha	3.0000	1236.0000		1236.0000	33372			
5.1.2	Material for survey and demarcation including construction of temporary pillars and digging of soil	27	ha			27.5000	27.5000		743		
5.3	Bush Cleaning, applicable only when bushes are present										
5.3.3	Bush Cleaning - Very Dense bushes	27	ha	24.0000	9888.0000		9888.0000	266976			
5.4	Trench fencing, depositing digged earth on inner side of plantation and compacting / dressing of the same (size - 1.83 m top width X 1.22 m bottom width X 1.22 m vertical height)										
5.4.3	Digging of trench with machine in hard soil	135	chain			3400.0000	3400.0000		459000		
5.4.4	Making of bund and compacting / dressing it (same in all soil types)	135	chain	3.0000	1236.0000		1236.0000	166860			
5.10	Earth Work - Alignment and pit digging in areas having hard soil						10.9180	252206			
5.10.1	Pits 0.30m x 0.30m x 0.30m Hard soil	23100.00	No.	0.0265	10.9180						
5.11.1	Wages for part nursery work (advance work in temporary nursery near plantation site to raise seedlings including 20% extra plants) per plant	27720.00	No.	0.0082	3.3611		3.3611	93170			
5.11.2	Material for part nursery work (advance work in temporary nursery near plantation site to raise seedlings including 20% extra plants) per plant	27720.00	No.			2.5003	2.5003		69308		
5.12	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)		Vr					16252	10581		
	TOTAL FOR ADVANCE WORK (Yr)							828835	539632		
FY-2	COMPLETION(FY 2025-26)										
5.13.1	Wages for part nursery work (completion work in temporary nursery near plantation site to raise seedlings including 20% extra plants)	27720.00	No.	0.0109	4.4949		4.4949	124599			
5.13.2	Material for part nursery work (completion work in temporary nursery near plantation site to raise seedlings including 20% extra plants)	27720.00	No.			0.3080	0.3080		8538		
5.14.1	Wages for plantation work with movement of plants at site	23,100	No.	0.0320	13.1840		13.1840	304550			
5.14.2	Material for plantation work (including 10gm DAP per plant and insecticide)	23,100	No.			0.4950	0.4950		11435		
5.16	Weeding-hoeing 2 times in hard soil										
5.16.1	Wages for 1st weeding-hoeing in hard soil, application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	23,100	No.	0.0210	8.6520		8.6520	199861			
5.16.2	Material (10 gm urea per plant) for 1st weeding-hoeing	23,100	No.			0.1650	0.1650		3812		

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5.16.3	Wages for 2nd weeding-hoeing in hard soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	23,100	No.	0.0140	5.7680		5.7680	133241	
5.16.4	Material (10 gm urea per plant) for 2nd weeding-hoeing	23,100	No.			0.1650	0.1650		3812
5.17.1	Wages for seed sowing on trench fence bunds and contour trench bunds	135	chain	0.5000	206.0000		206.0000	27810	
5.17.2	Material for seed sowing on trench fence bunds and contour trench bunds	135	chain			44.0000	44.0000		5940
5.18	Protection per day for (August to March - 243 days)								
5.18.1	0 - 30 ha	243	Persons X Days	1.0000	412.0000		412.0000	100116	
5.18.2	31 ha -60 ha	243	Persons X Days	2.0000	824.0000		824.0000	0	
5.18.3	60 ha - 90 ha	243	Persons X Days	3.0000	1236.0000		1236.0000	0	
5.18.4	> 90 ha	243	Persons X Days	4.0000	1648.0000		1648.0000	0	
5.19	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)		Vr					17804	671
	TOTAL FOR COMPLETION WORK (Yr)							907981	34206
FY-3	1st YEAR MAINTENANCE OF PLANTATION(FY 2026-27)								
5.21	Weeding-hoeing 2 times in hard soil								
5.21.1	Wages for 1st weeding-hoeing in hard soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	23,100	No.	0.0210	8.6520		8.6520	199861	
5.21.2	Material (10 gm urea per plant) for 1st weeding-hoeing	23,100	No.			0.1650	0.1650		3812
5.21.3	Wages for 2nd weeding-hoeing in hard soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	23,100	No.	0.0140	5.7680		5.7680	133241	
5.21.4	Material (10 gm urea per plant) for 2nd weeding-hoeing	23,100	No.			0.1650	0.1650		3812
5.22	Protection per day for (April to March - 365 days)								
5.22.1	0 - 30 ha	365	Persons X Days	1.0000	412.0000		412.0000	150380	
5.22.2	31 ha -60 ha	365	Persons X Days	2.0000	824.0000		824.0000	0	
5.22.3	60 ha - 90 ha	365	Persons X Days	3.0000	1236.0000		1236.0000	0	
5.22.4	> 90 ha	365	Persons X Days	4.0000	1648.0000		1648.0000	0	
5.23	Trench repair	135	chain	3.0000	1236.0000		1236.0000	166860	
5.24	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)		Vr					13007	152
	TOTAL FIRST YEAR MAINTENANCE							663349	7775
FY-4	2nd YEAR MAINTENANCE OF PLANTATION(FY 2027-28)								
5.26	Weeding-hoeing 2 times in hard soil								
5.26.1	Wages for 1st weeding-hoeing in hard soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	23,100	No.	0.0210	8.6520		8.6520	199861	
5.26.2	Material (10 gm urea per plant) for 1st weeding-hoeing	23,100	No.			0.1650	0.1650		3812
5.26.3	Wages for 2nd weeding-hoeing in hard soil , application of 10 gm urea per plant, replacement of dead plants (weeding in 3 ft radius and hoeing in 1.5 ft radius)	23,100	No.	0.0140	5.7680		5.7680	133241	
5.26.4	Material (10 gm urea per plant) for 2nd weeding-hoeing	23,100	No.			0.1650	0.1650		3812
5.27	Protection per day for (April to March - 365 days)								
5.27.1	0 - 30 ha	365	Persons X Days	1.0000	412.0000		412.0000	150380	
5.27.2	31 ha -60 ha	365	Persons X Days	2.0000	824.0000		824.0000	0	

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							Wages Rate	412	
NAME OF THE RANGE							Rajauli		
5.27.3	60 ha - 90 ha	365	Persons X Days	3.0000	1236.0000		0.0000	0	
5.27.4	> 90 ha	365	Persons X Days	4.0000	1648.0000		0.0000	0	
5.28	Trench repair	135	per chain	3.0000	1236.0000		1236.0000	166860	
5.29	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)		Vr					13007	152
	TOTAL 2nd YEAR MAINTENANCE							663349	7775
FY-5	3rd YEAR MAINTENANCE OF PLANTATION(FY 2028-29)								
5.30	Protection per day for (April to March - 365 days)								
5.30.1	0 - 60 ha	365	Persons X Days	1.0000	412.0000		412.0000	150380	
5.30.2	61 ha -120 ha	365	Persons X Days	2.0000	824.0000		0.0000	0	
5.30.3	> 120 ha	365	Persons X Days	3.0000	1236.0000		0.0000	0	
5.31	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)		Vr					3008	0
	TOTAL 3rd YEAR MAINTENANCE							153388	0
FY-6	4th YEAR MAINTENANCE OF PLANTATION(FY 2029-30)								
5.30	Protection per day for (April to March - 365 days)								
5.30.1	0 - 60 ha	365	Persons X Days	1.0000	412.0000		412.0000	150380	
5.30.2	61 ha -120 ha	365	Persons X Days	2.0000	824.0000		0.0000	0	
5.30.3	> 120 ha	365	Persons X Days	3.0000	1236.0000		0.0000	0	
5.31	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)		Vr					3008	0
	TOTAL 4th YEAR MAINTENANCE							153388	0
FY-7	5th YEAR MAINTENANCE OF PLANTATION(FY 2030-31)								
5.30	Protection per day for (April to March - 365 days)								
5.30.1	0 - 60 ha	365	Persons X Days	1.0000	412.0000		412.0000	150380	
5.30.2	61 ha -120 ha	365	Persons X Days	2.0000	824.0000		0.0000	0	
5.30.3	> 120 ha	365	Persons X Days	3.0000	1236.0000		0.0000	0	
5.31	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)		Vr					3008	0
	TOTAL 5th YEAR MAINTENANCE							153388	0
FY-8	6th YEAR MAINTENANCE OF PLANTATION(FY 2031-32)								
5.30	Protection per day for (April to March - 365 days)								
5.30.1	0 - 60 ha	365	Persons X Days	1.0000	412.0000		412.0000	150380	
5.30.2	61 ha -120 ha	365	Persons X Days	2.0000	824.0000		0.0000	0	
5.30.3	> 120 ha	365	Persons X Days	3.0000	1236.0000		0.0000	0	
5.31	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)		Vr					3008	0
	TOTAL 6th YEAR MAINTENANCE							153388	0
FY-9	7th YEAR MAINTENANCE OF PLANTATION(FY 2032-33)								
5.30	Protection per day for (April to March - 365 days)								
5.30.1	0 - 60 ha	365	Persons X Days	1.0000	412.0000		412.0000	150380	
5.30.2	61 ha -120 ha	365	Persons X Days	2.0000	824.0000		0.0000	0	
5.30.3	> 120 ha	365	Persons X Days	3.0000	1236.0000		0.0000	0	
5.31	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)		Vr					3008	0
	TOTAL 7th YEAR MAINTENANCE							153388	0
FY-10	8th YEAR MAINTENANCE OF PLANTATION(FY 2033-34)								
5.30	Protection per day for (April to March - 365 days)								
5.30.1	0 - 60 ha	365	Persons X Days	1.0000	412.0000		412.0000	150380	
5.30.2	61 ha -120 ha	365	Persons X Days	2.0000	824.0000		0.0000	0	
5.30.3	> 120 ha	365	Persons X Days	3.0000	1236.0000		0.0000	0	
5.31	Contingency and Miscellaneous cost for signboards, photography, record keeping, monitoring, etc (max 2% of estimated cost)		Vr					3008	0

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						Wages Rate	412
NAME OF THE RANGE						Rajauli	
TOTAL 8th YEAR MAINTENANCE						153388	0

SL.NO	Year wise work	Estimated Amount					
		Wages	Material	Total Amount	Increment in percentage	Grand total	
1	ADVANCE WORK (2024-25)	828835	539632	1368467	0%	1368467	
2	COMPLETION WORK (2025-26)	907981	34206	942187	5%	987586	
3	1ST YEAR MAINTENANCE (2026-27)	663349	7775.46	671124	10%	737459	
4	2nd YEAR MAINTENANCE (2027-28)	663349	7775.46	671124	15%	770627	
5	3rd YEAR MAINTENANCE (2028-29)	153388	0.00	153388	20%	184065	
6	4th YEAR MAINTENANCE (2029-30)	153388	0.00	153388	25%	191735	
7	5th YEAR MAINTENANCE (2030-31)	153388	0.00	153388	30%	199404	
8	6th YEAR MAINTENANCE (2031-32)	153388	0.00	153388	35%	207073	
9	7th YEAR MAINTENANCE (2032-33)	153388	0.00	153388	40%	214743	
10	8th YEAR MAINTENANCE (2033-34)	153388	0.00	153388	45%	222412	
Total		3983839	589389	4573228		5083570	

Note:- 1. Above Estimate has been prepared based on SOR notified vide PCCF Order No. 6 dated 13/6/2022.
2. No Plantation has been carried out in last 10 Year in the proposed place.

Submitted by:


Range officer of Forests,
Rajauli Forest Range.

Countersigned By:


Divisional Forest Officer,
Nawada Forest Division, Nawada.