

Scheme for Compensatory Afforestation Under Kangsabati North Division, over 50 Ha Area.

Detailed Scheme of Compensatory Afforestation over 50 ha. Under Purulia Para Range, Kangsabati North Division, Purulia.

1	Details degraded Forest Land.	::																					
	(i) District	::	Purulia																				
	Name of Forest Division	::	Kangsabati North Division																				
	Block/ Compartment/ Survey No / Mouza	::	Range-Purulia Para, Mouza- Suklara, JL No – 208, Plot No 373, Area- 20 Ha, & Mouza- Naudiha, JL No 61, Plot No 3640, Area-30 ha.																				
	Village	::	Suklara & Naudiha																				
	Area to be Afforested	::	50 ha.																				
2	Description of the Area	::																					
	Soil Type	::	Lateritic																				
	Topography	::	More or less plain																				
	Whether the area bearing any rock stock	::	Unwanted weeds																				
3	Name of the Plantation Programme	::	Plantation of Sal and Sal Associate Species (60:40) with 1600 nos. seedlings per ha.																				
4	Schedule of Plantation Programme	::	The Compensatory Afforestation on degraded forest land would be started by the Divisional Forest Officer as early as possible after the proposal is formally approved.																				
5	Details of year-wise break up of requirement of fund is as under wage rate is as under wage rate Rs. 294.00 which may be increased as per existing labour rate.	::	<table><tr><td>Advance work,</td><td>Rs. 730789.00</td></tr><tr><td>Creation</td><td>Rs. 9845699.00</td></tr><tr><td>1st Year Maint.</td><td>Rs. 3824030.00</td></tr><tr><td>2nd Year Maint.</td><td>Rs. 3626132.00</td></tr><tr><td>3rd Year Maint.</td><td>Rs. 3391258.00</td></tr><tr><td>4th to 10th Year Maint.</td><td>Rs. 9032715.00</td></tr><tr><td>SMC works in CA Site</td><td>Rs. 2199050.00</td></tr><tr><td>Earthen Dam</td><td>Rs. 210620.00</td></tr><tr><td>Total for 50 ha</td><td>Rs. 32860293.00</td></tr><tr><td colspan="2">Rupees Three crore twenty eight lakh sixty thousand two hundred ninety three only.</td></tr></table>	Advance work,	Rs. 730789.00	Creation	Rs. 9845699.00	1 st Year Maint.	Rs. 3824030.00	2 nd Year Maint.	Rs. 3626132.00	3 rd Year Maint.	Rs. 3391258.00	4 th to 10th Year Maint.	Rs. 9032715.00	SMC works in CA Site	Rs. 2199050.00	Earthen Dam	Rs. 210620.00	Total for 50 ha	Rs. 32860293.00	Rupees Three crore twenty eight lakh sixty thousand two hundred ninety three only.	
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Earthen Dam	Rs. 210620.00																						
Total for 50 ha	Rs. 32860293.00																						
Rupees Three crore twenty eight lakh sixty thousand two hundred ninety three only.																							
6.	Technical details	::	Technical details of compensatory afforestation are as follows																				
	a) General Detail:	::	Sal & Sal Associate seedlings 1600/Ha																				
	b) Spacing	::	2.5x2.5 mtr.																				
	c) Species	::	Sal & Sal Associate Species																				
	d) Nursery technique	::	Seedlings raised in 300 cc hycopot																				
	e) Site	::	Pit size .60x 60+ 60/2x 60 m3.																				
	f) Planting method:	::	All Sal seedlings of one year Old to be raised in a ratio (60:40 :: Sal:Sal Associate)																				
	g) SMC work:	::	Contour trench in staggered method.																				
	h) Protection:	::	Barbed wire fencing																				
	i) Silvicultural Operation	::	As per existing working plan prescription																				
	j) Maintenance.	::	As per existing working plan prescription.																				
	k) Subsequent silvicultural operation proposed:	::	As per existing working plan prescription.																				

Date _____
Place Purulia

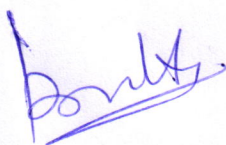
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Chief Conservator of Forests
South East Circle, W.B.

Divisional Forest Officer
Kangsabati North Division
Purulia

**List of other indigenous/Local Species to be planted in CA Plantation over
50 Ha. of Kangsabati (N) Division including Sal & its associates**

Sl. No.	Species
1.	Tamarind
2.	Dry Sissoo
3.	Setisal
4.	Maul/ Mahua
5.	Kusum
6.	Jamun
7.	Palas
8.	Haritaki
9.	Baheda
10.	Piasal / Bija Sal
11.	Odal
12.	Karam
13.	Kumbhi
14.	Gamhar
15.	Chalta
16.	Dumur
17.	Dhaw
18.	Asan
19.	Arjun
20.	Jarul
21.	Neem
22.	Ber
23.	Simul
24.	Karanj
25.	Siris
26.	Mehogini
27.	Sida
28.	Bamboo
29.	Sal
30.	Latord


Chief Conservator of Forests
South-East Circle, West Bengal

Abstract of Compensatory Afforestation Cost & SMC Works over 50 ha

Sl. No.		Work Details	Cost
1	Compensatory Afforestation (CA Cost)	Raising seedlings or Advance Nursery work	730789
		Sal & Associate Plantation Creation	9845699
		1st Year Maintenance	3824030
		2nd Year Maintenance	3626132
		3rd Year Maintenance	3391258
		4th Year Maintenance	1954686
		5th Year Maintenance	1788395
		6th Year Maintenance	1565841
		7th Year Maintenance	1047262
		8th Year Maintenance	925346
		9th Year Maintenance	883859
		10th Year Maintenance	867326
		Earthen Dam	210620
Total =			30661243
2	Associated SMC Works:	SMC work in CA Plantation site	2199050
Grand Total: CA cost			32860293

(Rupees Three crore twenty eight lakh sixty thousand two hundred ninety three) only

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Divisional Forest Officer
Kangsabati North Division
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SCHEDULE OF ADV. WORKS OF PLTN: Detailed Estimate of Production of Quality Planting Material/Seedlings in Modern Nurseries

Sl.	Particular of Work	Unit	Type	Rate (In Rs.)
Advance Component				
1	Cost of making dry and sieved leaf Compost inclusive of all costs	m3	Material	3000.00
2	Cost of coarse Sand (Purchase/Collection, Carriage, Loading, Unloading, drying & sieving all inclusive)	m3	Material	990.00
3	Cost of Burnt Rice Husk/CDM/Vermicompost etc. (Purchase/Collection, Carriage, Loading, Unloading, drying & sieving all inclusive)	m3	Material	1200.00
4	Preparation of potting mixture (Mixing through hand driven Mixture Machine)	m3	Labour	588.00
5	Disinfection of Root Trainer, Filling and keeping filled Root Trainers on stands	for 2000 Seedlings	Labour	588.00
6	Collection of quality Seeds including collection and carriage	for 2000 Seedlings	Material	380.00
7	Drying, Sorting and Pretreatment of Seeds and sowing in Hygropits	for 2000 Seedlings	Labour	294.00
8	Pricking out and transplanting of seedlings in Root Trainers	for 2000 Seedlings	Labour	882.00
9	Supply of insecticides, fungicides, micronutrients, disinfectants, etc.	for 2000 Seedlings	Material	120.00
10	Supply of Sieving nets, water pipes/Can etc.	for 2000 Seedlings	Material	80.00
11	Watering for 90 days(January to March) including watering in Hygropits and Spraying of Insecticides.	for 2000 Seedlings	Labour	1176.00
12	Sorting-shifting, weeding-cleaning as and when required	for 2000 Seedlings	Labour	588.00
13	Contingency	for 2000 Seedlings	Material	249.00
Cost of 2000 seedlings /QPM(Department Rate in Rs				10135.00
A. Cost of 2000 seedlings/QPM(Tender Rate with 10% Contractor's profit)				11148.50
B. GST (18% of A;				2006.73
C.Total Cost of Work(A+B)				13155.23
D.Labour Cess (1% of C)				131.55
Grand Total (C+D) per 2000 QPM/Seedling (Tender Rate in Rs.) per Ha				13286.78
Add 10% Contractors profit for tender work (Rs.) =				1329.00
Grand Total for Tender works with GST (Rs.) =				14615.78
Grand Total for 50 Ha				730789.00

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South East Circle, W.B.

*Divisional Forest Officer
Kangsabati North Division
Purulia*

**SCHEDULE OF SAL & ASSOCIATED LOCAL NATIVE SPECIES CREATION OF PLANTATION
(COMPENSATORY AFFORESTATION) WITH SAL**

Type of Plantation		Sal & Associate
Area of CA Land: 50 Ha		1600
No. of seedling per Ha		2.5m x 2.5m
Spacing per ha		60cm. x 45cm. x 45cm
Pit Size		
SL.	Particulars of Work	No. of Mandays
A.	Labour Component	
1	Survey and demarcation of the plantation area including GPS Survey by technical Person.	2
2	Burning, removing debris & cleaning of the Pitn site and making inspection path and Alignment of planting lines and staking the pit positions.	32
3	Digging pits (Pit Size = .060 m x .45 m x .45 m)	40
4	Alignment and cutting of contour trench of size 0.45m x 0.45m x 5 mt. total 500 m long per ha = 101.25 in3 in staggered nnumer.0.5 mt away from another line for easy movement. Trench kiln: to next trench line distance 10 mt.	20
5	Making of Inspection Path	2
6	Cutting of Box trench of size 0.60m x 0.60m x 0.45 mt. total 1200 nos per ha	40
7	Digging Cattle proof Trench (50 rmt x 1.35 mt x 1.20 mt)	40
8	Filling up of planting pits with dug up pulverized soil, Organic manure, Fungicides, Micro-Nutrients etc and planting	18
9	Half moon trench (0.60 x 0.15 cm x 0.15 cm)	30
10	Carriage of seedlings from Stacking site to planting pits	14
11	Transplanting of potted seedlings including carriage from field nursery to planting site and staking	18
12	1st time weeding cleaning & mulching with application of fertilizer & vacancy filling	18
13	2nd time weeding cleaning & mulching with application of fertilizer & vacancy filing	14
14	3rd time weeding cleaning & mulching without application of fertilizer & vacancy filling	8
15	4th time weeding cleaning & mulching without application of fertilizer & vacancy filling	6
16	Making- fire lines 1.501 . wide all ong the periphery and 1.20 mt. with inside pltn.	12
17	Watch Ward from Sep to March	60
18	Sorting, Shifting , Weeding, cleaning and watering of seedlings in nursery (April-June)	15
19	Application of insecticide / Organic manure to the planted seedings	4
20	Vacancy filling with potted seedlings	6
21	Application organic manure as per doses prescriber per pit	5
22	Sowing of Arhar seeds as nurse crop on the ridges of dug up soil along the continous trenches	2
23	Watering to seedlings during dry spell	6
Total Mandays (Nos.)=		412
X.	Cost of Labour Component @ Rs.294/MD for Departmental Work Rs.) =	121128
Add GST.18% (SAC Code: 998519) for Tender Work (Rs.) =		21803
Cost of Labour Component for tender work with GST (Rs.) =		142931
B.	Material Cost (Rs.)	
1	Signages (GST :18%)	590
2	Barbed wire fencing (GST : 18%)	22000
3	Chemical Fertilizer @ 50 gm DAP/Plant (GST : 5%)	2625
4	Insecticides / Hormones (GST : 18%)	590
5	Organic manure (GST : 0%)	2200
6	Carriage of Seedlings and fertilizer by Truck / vehicle etc.(GST : 18%) upto Stacking site	2950
7	Cost of Arhar seeds (GST : 0%)	1000
V.	Total Material Cost without Labour Cess (Rs.) =	30365
X.	Cost of Labour Component for tender work with GST (Rs.) =	142931
Z.	Total Cost (X + Y) =	173296
Contingencies 3 %		4288
Labour Cess 1%		1429
Total =		179013
Add 10% Contactors profit (Rs.) =		17901
GRAND TOTAL for TENDER WORK with GST (Rs.).		196914
Total for 50 Ha. Plantation		9845699

(Rupees Ninety eight lakh forty five thousand six hundred ninety nine) only

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South East Circle, W.B.

Divisional Forest Office
Kangsabati North Division
Parulia

**SCHEDULE OF SAL & ASSOCIATED LOCAL NATIVE SPECIES CREATION OF PLANTATION
(COMPENSATORY AFFORESTATION) WITH SAL**

Type of Plantation		Sal & Associate
Area of CA Land: 50 Ha		1600
No. of seedling per Ha		2.5m x 2.5m
Spacing per ha		60cm. x 45cm. x 45cm
Pit Size		
SL.	Particulars of Work	
A.	Labour Component	No. of Mandays
1	Survey and demarcation of the plantation area including GPS Survey by technical Person.	2
2	Burning, removing debris & cleaning of the Pit site and making inspection path and Alignment of planting lines and staking the pit positions.	32
3	Digging pits (Pit Size = .060 m x .45 m x .45 m)	40
4	Alignment and cutting of contour trench of size 0.45m x 0.45m x 5 mt. total 500 m long per ha= 101.25 in3 in staggered manner 0.5 mt away from another line for easy movement. Trench kiln: to next trench line distance 10 mt.	20
5	Making of Inspection Path	2
6	Cutting of Box trench of size 0.60m x 0.60m x 0.45 mt. total 1200 nos per ha	40
7	Digging Cattle proof Trench (50 rmt x 1.35 mt x 1.20 mt)	40
8	Filling up of planting pits with dug up pulverized soil, Organic manure, Fungicides, Micro-Nutrients etc and planting	18
9	Carriage of seedlings from Stacking site to planting pits	14
10	Transplanting of potted seedlings including carriage from field nursery to planting site and staking	18
11	1st time weeding cleaning & mulching with application of fertilizer & vacancy filling	18
12	2nd time weeding cleaning & mulching with application of fertilizer & vacancy filling	14
13	3rd time weeding cleaning & mulching without application of fertilizer & vacancy filling	8
14	4th time weeding cleaning & mulching without application of fertilizer & vacancy filling	6
15	Making- fire lines 1.501 . wide all ong the periphery and 1.20 mt. with inside pltn.	12
16	Watch Ward from Sep to March	60
17	Sorting, Shifting , Weeding, cleaning and watering of seedlings in nursery (April-June)	15
18	Application of insecticide / Organic manure to the planted seedlings	4
19	Vacancy filling with potted seedlings	6
20	Application organic manure as per doses prescriber per pit	5
21	Sowing of Arhar seeds as nurse crop on the ridges of dug up soil along the continous trenches	2
22	Watering to seedlings during dry spell	6
Total Mandays (Nos.)=		382
X.	Cost of Labour Component @ Rs.294/MD for Departmental Work Rs.) =	112308
Add GST.18% (SAC Code: 998519) for Tender Work (Rs.) =		20215
Cost of Labour Component for tender work with GST (Rs.) =		132523
B.	Material Cost (Rs.)	
1	Signages (GST :18%)	590
2	Chemical Fertilizer @ 50 gm DAP/Plant (GST : 5%)	2625
3	Insecticides / Hormones (GST : 18%)	590
4	Organic manure (GST : 0%)	2200
6	Carriage of Seedlings and fertilizer by Truck / vehicle etc.(GST : 18%) upto Stacking site	2950
7	Cost of Arhar seeds (GST : 0%)	1000
Y.	Total Material Cost without Labour Cess (Rs.) =	8955
X.	Cost of Labour Component for tender work with GST (Rs.) =	132523
Z.	Total Cost (X + Y) =	141478
Contingencies 3 %		3976
Labour Cess 1%		1325
Total =		146779
Add 10% Contractors profit (Rs.) =		14678
GRAND TOTAL for TENDER WORK with GST (Rs.).		161457
Total for 50 Ha. Plantation		8072857

(Rupees Eighty lakh seventy two thousand eight hundred fifty seven) only

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Chief Conservator of Forests
South East Circle, W.B.

Divisional Forest Office
Kangsabati North Division
Purulia

SCHEDULE FOR 1ST YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION) OVER 50 HA.		
Type of plantation		
		SAL SB
No of seedlings per ha		1600
	Spacing per ha	2.5m x 2.5m
Sl. No.	Particulars of Work	
A. Labour Component		
1	Vacancy infilling and transport of seedlings	6
2	1st weeding, cleaning, mulching, with application of fertilizer	16
3	2nd weeding, cleaning, mulching	14
4	3rd weeding, cleaning, mulching	6
5	Cutting of Firelines (3m wide)	12
6	Watch & Ward	60
7	Application of insecticide and Organic Manure	8
8	Repairing of CPT, Contour Trench and Box Trench & fencing	30
9	Raising of seedlings for infilling	12
10	Watering to seedlings during dry spell	5
Total Mandays (Nos.).		169
X.	Cost of Labour Component @ Rs.304/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	51376.00
Add GST.18% (sec Code.: 991579) for Tender Work over X (Rs).		9247.68
Cost of labour Component for tender work with GST Ms.).		60623.68
B. Material Cost (Rs.)		
1	Transport of seedling/fertilizer/water tanker (GST: 18%)	3540.00
2	Cost of fertilizer, cowdung manure etc (GST: 5%)	2100.00
3	Cost of Insecticide (GST: 18%)	590.00
Y.	Total Material Cost without Labour Cess (Rs.) =	6230.00
X.	Cost of Labour Component for tender work with GST (Rs.) =	60623.68
Z.	Total Cost (X + Y) =	66853.68
4	Contingency 3%	2005.61
5	Labour Cess 1%	668.54
Total =		69,528
Add 10% Contactors profit (Rs.) =		6,953
GRAND TOTAL for TENDER WORK with GST (Rs.) =		76,481
Total for 50 Ha. Plantation		38,24,030

(Rupees Thirty eight lakh twenty four thousand thirty only)

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SCHEDULE FOR 2ND YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		SAL SB
No of seedlings per ha		1600
	Spacing per ha	2.5m x 2.5m
Sl. No.	Particulars of Work	
A.	Labour Component	
1	Vacancy infilling and transport of seedlings	6
2	1st weeding, cleaning, mulching, with application of fertilizer	16
3	2nd weeding, cleaning, mulching	12
5	Cutting of Firelines (3m wide)	12
6	Watch & Ward	60
7	Application of insecticide and Organic Manure	6
8	Repairing of CPT, Contour Trench and Box Trench & fencing	25
9	Raising of seedlings for infilling	10
10	Watering to seedlings during dry spell	5
Total Mandays (Nos.).		152
X.	Cost of Labour Component @ Rs.322/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	48944.00
Add GST.18% (sec Code.: 991579) for Tender Work over X (Rs.).		8809.92
Cost of labour Component for tender work with GST Ms.).		57753.92
B. Material Cost (Rs.)		
1	Transport of seedling/fertilizer /water tanker (GST: 18%)	2950.00
2	Cost of fertilizer, cowdung manure etc (GST: 5%)	2100.00
3	Cost of Insecticide (GST: 18%)	590.00
Y.	Total Material Cost without Labour Cess (Rs.) =	5640.00
X.	Cost of Labour Component for tender work with GST (Rs.) =	57753.92
Z.	Total Cost (X + Y) =	63393.92
4	Contingency 3%	1901.82
5	Labour Cess 1%	633.94
Total =		65,930
Add 10% Contactors profit (Rs.) =		6,593
GRAND TOTAL for TENDER WORK with GST (Rs.) =		72,523
Total for 50 Ha. Plantation		36,26,132

(Rupees Thirty six lakh twenty six thousand one hundred thirty two) only

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Kangsabati North Division
Purulia

SCHEDULE FOR 3RD YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		SAL SB
		1600
No of seedlings per ha		2.5m x 2.5m
	Spacing per ha	
Sl. No.	Particulars of Work	
A.	Labour Component	
1	Vacancy infilling and transport of seedlings	4
2	1st weeding, cleaning, mulching, with application of fertilizer	14
3	2nd weeding, cleaning, mulching	12
4	Cutting of Firelines (3m wide)	12
5	Watch & Ward	60
6	Application of insecticide	3
7	Repairing of CPT, Contour Trench and Box Trench & fencing	20
8	Raising of seedlings for infilling	8
9	Watering to seedlings during dry spell	4
Total Mandays (Nos.).		137
X.	Cost of Labour Component @ Rs.342/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	46854.00
Add GST.18% (sec Code.: 991579) for Tender Work over X (Rs).		8433.72
Cost of labour Component for tender work with GST Ms.).		55287.72
B. Material Cost (Rs.)		
1	Transport of seedling/fertilizer /water tanker (GST: 18%)	2360.00
2	Cost of fertilizer (GST: 5%)	1050.00
3	Cost of Insecticide (GST: 18%)	590.00
Y.	Total Material Cost without Labour Cess (Rs.) =	4000.00
X.	Cost of Labour Component for tender work with GST (Rs.) =	55287.72
Z.	Total Cost (X + Y) =	59287.72
4	Contingency 3%	1778.63
5	Labour Cess 1%	592.88
Total =		61,659
Add 10% Contactors profit (Rs.) =		6,166
GRAND TOTAL for TENDER WORK with GST (Rs.) =		67,825
Total for 50 Ha. Plantation		33,91,258

(Rupees Thirty three lakh ninety one thousand two hundred fifty eight) only

Divisional Forest Officer
Kangsabati North Division
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SCHEDULE FOR 4TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		SAL SB
No of seedlings per ha		1600
Spacing per ha		2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning, mulching, without application of fertilizer	12
2	2nd weeding, cleaning	8
3	Watch & Ward	30
4	Repairing of CPT, Contour Trench and Box Trench & fencing	20
5	Cutting of Firelines (3m wide)	10
Total Mandays (Nos.).		80
X.	Cost of Labour Component @ Rs.362/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	28960
Add GST.18% (sec Code.: 991579) for Tender Work over X		5213
Cost of labour Component for tender work with GST Ms.).		34173
1	Contingency 3%	1025
2	Labour Cess 1%	342
TOTAL		35540
Add 10% Contractors Profit (Rs.) =		3554
Grand Total with GST (Rs.) =		39094
Total for 50 Ha. Plantation		1954686

(Rupees Nineteen lakh fifty four thousand six hundred eighty six) only

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Chief Conservator of Forests
South East Circle, W.B.

Divisional Forest Officer
Kangsabati North Division
Purulia

SCHEDULE FOR 5TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		SAL SB
No of seedlings per ha		1600
Spacing per ha		2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	8
2	2nd weeding, cleaning	6
3	Watch & Ward	25
4	Repairing of CPT, Contour Trench and Box Trench & fencing	20
5	Cutting of Firelines (3m wide)	10
Total Mandays (Nos.).		69
X.	Cost of Labour Component @ Rs.384/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	26496.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		4769
Cost of labour Component for tender work with GST Ms.).		31265
1	Contingency 3%	938
2	Labour Cess 1%	313
TOTAL =		32516
Add 10% Contractors Profit (Rs.) =		3252
GRAND TOTAL for TENDER WORK with GST (Rs.) =		35768
Total for 50 Ha. Plantation =		1788395

(Rupees Seventeen lakh eighty eight thousand three hundred ninety five) only

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South East Circle, W.B.

Divisional Forest Officer
Kangsabati North Division
Purulia

SCHEDULE FOR 6TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)

Type of plantation		SAL SB
No of seedlings per ha		1600
Spacing per ha		2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	8
2	2nd weeding, cleaning	6
3	Watch & Ward	25
4	Repairing of CPT, Contour Trench and Box Trench & fencing	18
Total Mandays (Nos.).		57
X.	Cost of Labour Component @ Rs.407/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	23199.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		4176
Cost of labour Component for tender work with GST Ms.).		27375
1	Contingency 3%	821
2	Labour Cess 1%	274
TOTAL =		28470
Add 10% Contractors Profit (Rs.) =		2847
GRAND TOTAL for TENDER WORK with GST (Rs.) =		31317
Total for 50 Ha. Plantation =		1565841

(Rupees Fifteen lakh sixty five thousand eight hundred forty one) only

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Divisional Forest Officer
Kangsabati North Division
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Chief Conservator of Forests
South East Circle, W.B.

SCHEDULE FOR 7TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		SAL SB
No of seedlings per ha		1600
Spacing per ha		2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	6
2	2nd weeding, cleaning	5
3	Watch & Ward	25
Total Mandays (Nos.).		36
X.	Cost of Labour Component @ Rs.431/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	15516.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2793
Cost of labour Component for tender work with GST Ms.).		18309
1	Contingency 3%	549
2	Labour Cess 1%	183
TOTAL =		19041
Add 10% Contractors Profit (Rs.) =		1904
GRAND TOTAL for TENDER WORK with GST (Rs.) =		20945
Total for 50 Ha. Plantation		1047262

(Rupees Ten lakh forty seven thousand two hundred sixty two) only

COUNTERSIGNED

Chief Conservator of Forests
South East Circle, W.B.

Divisional Forest Officer
Kangsabati North Division
Purulia

SCHEDULE FOR 8TH YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)

Type of plantation		SAL SB
No of seedlings per ha		1600
Spacing per ha		2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	6
2	2nd weeding, cleaning	4
3	Watch & Ward	20
Total Mandays (Nos.).		30
X.	Cost of Labour Component @ Rs.457/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	13710.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2468
Cost of labour Component for tender work with GST Ms.).		16178
1	Contingency 3%	485
2	Labour Cess 1%	162
TOTAL =		16825
Add 10% Contractors Profit (Rs.) =		1682
GRAND TOTAL for TENDER WORK with GST (Rs.) =		18507
Total for 50 Ha. Plantation		925346

(Rupees Nine lakh twenty five thousand three hundred forty six) only

COUNTERSIGNED

[Signature]
Chief Conservator of Forests
for South East Circle, W.B.

[Signature]
Divisional Forest Officer
Kangsabati North Division
Purulia

SCHEDULE FOR 9TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		SAL SB
No of seedlings per ha		1600
Spacing per ha		2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	5
2	2nd weeding, cleaning	4
3	Watch & Ward	18
Total Mandays (Nos.).		27
X.	Cost of Labour Component @ Rs.485/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	13095.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2357
Cost of labour Component for tender work with GST Ms.).		15452
1	Contingency 3%	464
2	Labour Cess 1%	155
TOTAL =		16070
Add 10% Contractors Profit (Rs.) =		1607
GRAND TOTAL for TENDER WORK with GST (Rs.) =		17677
Total for 50 Ha. Plantation		883859

(Rupees Eight lakh eighty three thousand eight hundred fifty nine) only

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Chief Conservator of Forests
South East Circle, W.B.

Divisional Forest Officer
Kangsabati North Division
Purulia

SCHEDULE FOR 10TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		SAL SB
No of seedlings per ha		1600
Spacing per ha		2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	5
2	2nd weeding, cleaning	4
3	Watch & Ward	16
Total Mandays (Nos.).		25
X.	Cost of Labour Component @ Rs.514/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	12850.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2313
Cost of labour Component for tender work with GST Ms.).		15163
1	Contingency 3%	455
2	Labour Cess 1%	152
TOTAL =		15770
Add 10% Contractors Profit (Rs.) =		1577
GRAND TOTAL for TENDER WORK with GST (Rs.) =		17347
Total for 50 Ha. Plantation		867326

(Rupees Eight lakh sixty seven thousand three hundred twenty six) only

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Chief Conservator of Forests
South East Circle, W.B

Divisional Forest Officer
Kangsabati North Division
Purulia

Model Estimates of Cutting Contour Trench over 50 ha

SL No.	Item of Works	unit	Quantity	Mandays	Rate	Amount
A	Labour Cost					
1	Contour Survey	Ha	1	25	294	7350
2	Earth work in contour trench in plantatio of 5m x 0.30m x 0.30 m each x 400 mtr i.e 180 m3 with lift beyond 4m and upto 4.5 m from trench	M3	45	120	294	35280
Sub Total : Mandays cost per 1 ha. =						42630.00
Total Mandays cost per 50 ha =						2131500.00
SL No.	Item of Works	unit	Quantity	Mandays	Rate	Amount
A	Material Cost					
1	Cost for display board	No	1		3500	3500
Sub Total : for Material Cost =						3500.00
Grand Total for (Labour+Material) over 50 ha =						2135000.00
Add Contingency 3% =						64050.00
Grand Total over 50 ha =						2199050.00

(Rupees Twenty one lakh ninety nine thousand fifty) only

Divisional Forest Officer
Kangsabati North Division
Purulia

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Chief Conservator of Forests
for South East Circle, W.B.

Model Estimate for Earthen Dam

Sl No	Description of item	All dimension are in m				Quantity	Total Quantity	Unit	Rate	Total Amount
		No	L	B	H					
R&B P-230, It no - 2.03	Clearing grass and removal of rubbish up to a distance of 30 m outside the periphery of the area as per Technical Specifications Clause 201 for Rural Roads of MORD. By Manual Means 1x.30x.15					0.045	0.045	hect	11868.00	534.06
Road & Bridge, P-	Earthwork in excavation from borrow pits (land owned/ arranged by the core wall portion	1	25.75	1.1	0.41	11.61325				
	pitching for D/S	1	25.75	2.25	0.41	23.75438				
	Spillway	1	3	3.5	0.41	4.305	39.67263	m3	99.90	3963.295238
Road & Bridge, P-	Providing and laying boulders apron on river bed for protection against scour									
	D/S of Earthen Dam	1	25.75	2.25	1	57.9375				
	Core wall base	1	25.75	1.1	0.41	11.61325				
	spillway	1	3	3.5	0.41	4.305	73.85575	m3	493	36410.88475
spillwa ad & Bridge, P- 326, It 18.32(b) 1	Masonry work with rough dressed Stones of size as directed with cement mortar, true to line, level and shape, including dressing and shaping boulders to size as required, curing complete including cost and carriage of all materials complete.(b) With cement-sand mortar 1 : 4(1) Upto height 4.0 m									
	core well	25.8	0.5	2	2.1	54.075	54.075	m3	1781.00	96307.575
Road & Bridge	Earthwork in excavation from borrow pits (land owned/ arranged by the Department) and depositing in layers of 250 mm. including breaking clods in embankment works and to fill up back of abutments, depressions and ruts with an initial lead up to 50 m and initial lift up to 1.5 m making bunds at top as									
P- 234, It- 3.02(i)	i) Earthen Dam (7.5=(5+10)/2)	1	25.75	7.5	1	193.125				
	ii) lift 1.5 m to 2.5 m (3.5=(2+5)/2)	1	25.75	3.5	0.8	72.1				
	iii) Deduction for	-25.8	0.5	2	1	-25.75	239.475	m3	99.09	23729.57775
P- 234, It- 3.02(ii)	(ii) Beyond 50 m & up to total lead of 200 m. Volume= 25% Of total Quantity.						59.86875	m3	37.50	2245.078125
P-234, It - 3.02(ii)	(iii) Beyond 200 m & up to total lead of 300 m Volume = 35% of Total Quantity						83.81625	m3	30.00	2514.4875
Road & Bridge, P- 237, It 3.17(b)	B. Compacting original ground supporting embankment Loosening, Leveling and Compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in Tables 300.1 and 300.2 for embankment construction as per Clause 305.3.4 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).					239.475	239.475	m3	24.10	5771.3475
Road & Bridge	Turfing with Sods Furnishing and laying of the live sods of perennial turf forming	1	25.75	10.54		271.405	271.405	m2	17.60	4776.728
	Contingency									738.97
									TOTAL AMOUNT	176992.00
									C. GST 9%	15929.28
									S. GST 9%	15929.28
									Cess 1%	1769.92
									Total	210620.48
	Grand Total									210620.00

COUNTERSIGNED

Chief Conservator of Forests
South East Circle, W.B.

Divisional Forest Officer
Kangsabati North Division
Purulia

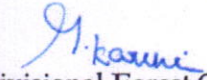
Scheme for Compensatory Afforestation under Purulia Division, over 26.76 Ha Area.

Detailed Scheme of Compensatory Afforestation over 26.76 ha. under Joypur Range, Purulia Division.

1.	Details degraded Forest Land:																	
	(1) District :	Purulia																
	Name of Forest Division:	Purulia Division																
	Block/ Compartment/ Survey No./ Mouza	Range-Joypur, Mouza- Bangidiri, JL No.36, Plot No. 1535, Area- 15 Ha & Mouza- Kalikapur, JL No. 35, Plot No. 56,Area- 11.76 Ha.																
	Village	Bangidiri & Kalikapur.																
	Area to be Afforested	26.76 ha.																
2.	Description of the Area																	
	Soil Type	Lateritic																
	Topography	More or less plain																
	Whether the area bearing any rock stock	Unwanted weeds																
3.	Name of the Plantation Programme	Plantation of Miscellaneous species with 1600 nos. seedlings per ha.																
4.	Schedule of Plantation Programme	The Compensatory Afforestation on degraded forest land would be started by the Divisional Forest Officer as early as possible after the proposal is formally approved.																
5.	Details of year-wise break up of requirement of fund is as under wage rate Rs. 294.00 which may be increased as per existing labour rate.	<table><tr><td>Advance work,</td><td>Rs. 3,55,554.00</td></tr><tr><td>Creation</td><td>Rs.30,67,579.00</td></tr><tr><td>1st Year Maint.</td><td>Rs.17,00,988.00</td></tr><tr><td>2nd Year Maint.</td><td>Rs.15,71,628.00</td></tr><tr><td>3rd Year Maint.</td><td>Rs.14,15,760.00</td></tr><tr><td>4th to 10th Year Maint.</td><td>Rs.39,46,072.00</td></tr><tr><td>SMC works in CA Site</td><td>Rs.30,14,395.00</td></tr><tr><td>Total for 26.76 ha</td><td>Rs. 1,50,71,976.00</td></tr></table> <p>Rupees One Crore Fifty Lakh Seventy One Thousand Nine Hundred Seventy Six only.</p>	Advance work,	Rs. 3,55,554.00	Creation	Rs.30,67,579.00	1 st Year Maint.	Rs.17,00,988.00	2 nd Year Maint.	Rs.15,71,628.00	3 rd Year Maint.	Rs.14,15,760.00	4 th to 10 th Year Maint.	Rs.39,46,072.00	SMC works in CA Site	Rs.30,14,395.00	Total for 26.76 ha	Rs. 1,50,71,976.00
Advance work,	Rs. 3,55,554.00																	
Creation	Rs.30,67,579.00																	
1 st Year Maint.	Rs.17,00,988.00																	
2 nd Year Maint.	Rs.15,71,628.00																	
3 rd Year Maint.	Rs.14,15,760.00																	
4 th to 10 th Year Maint.	Rs.39,46,072.00																	
SMC works in CA Site	Rs.30,14,395.00																	
Total for 26.76 ha	Rs. 1,50,71,976.00																	
6.	Technical details	Technical details of compensatory afforestation are as follows																
	a) General Detail:	Miscellaneous seedlings 1600/Ha																
	b) Spacing :	2.5x2.5 mt.																
	c) Species:	Jam, Arjun, Sirish, Kusum, Amlaki, Mahul, Piasal, Karam, Karanj, Chalta etc.																
	d) Nursery technique:	Seedlings raised in 300 cc hycopot																
	e) Size	Pit size .60x.60+.60/2x.60 m3.																
	f) Planting method:	All Miscellaneous seedlings of one year Old to be raised																
	g) SMC work:	Contour trench in staggered method.																
	h) Protection:	Barbed wire fencing.																
	i) Silvicultural Operation	As per existing working plan prescription.																
	j) Maintenance:	As per existing working plan prescription.																
	k) Subsequent silvicultural operation proposed:	As per existing working plan prescription.																

Date: 29/04/2023

Place: Purulia.


 Divisional Forest Officer,
 Purulia Division.

COUNTERSIGNED


 Chief Conservator of Forests
 South East Circle, W.B.

ANNEXURE - I

List to be Planted in CA Plantation at Joypur Range over 26.76 ha at Bangidiri & Kalikapur Mouza

Sl. No.	Species
1	Tamarind
2	Dry Sissoo
3	Setisal
4	Maul / Mahua
5	Kusum
6	Jamun
7	Palas
8	Haritaki
9	Baheda
10	Piasal/ Bija Sal
11	Odal
12	Karam
13	Kumbhi
14	Gamhar
15	Chalta
16	Dumur
17	Dhaw
18	Asan
19	Arjun
20	Jarul
21	Neem
22	Ber
23	Simul
24	Karanj
25	Siris
26	Mehogini
27	Sida

28. Bamboo
29. Sal
30. Latore

[Signature]
Divisional Forest Officer
Purulia Division

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[Signature]
Chief Conservator of Forests
South East Circle, W.B.

SCHEDULE OF ADV. WORKS OF PLTN: Detailed Estimate of Production of Quality Planting Material/Seedlings in Modern Nurseries

FY 2023-24

Sl.	Particular of Work	Unit	Type	Rate (In Rs.)
Advance Component				
1	Cost of making dry and sieved leaf Compost inclusive of all costs	m3	Material	3,000.00
2	Cost of coarse Sand (Purchase/Collection, Carriage, Loading, Unloading, drying & sieving all inclusive)	m3	Material	990.00
3	Cost of Burnt Rice Husk/CDM/Vermicompost etc. (Purchase/Collection, Carriage, Loading, Unloading, drying & sieving all inclusive)	m3	Material	1,200.00
4	Preparation of potting mixture (Mixing through hand driven Mixture Machine)	m3	Labour	588.00
5	Disinfection of Root Trainer, Filling and keeping filled Root Trainers on stands	for 2000 Seedlings	Labour	588.00
6	Collection of quality Seeds including collection and carriage	for 2000 Seedlings	Material	380.00
7	Drying, Sorting and Pretreatment of Seeds and sowing in Hygropits	for 2000 Seedlings	Labour	294.00
8	Pricking out and transplanting of seedlings in Root Trainers	for 2000 Seedlings	Labour	882.00
9	Supply of insecticides, fungicides, micronutrients, disinfectants, etc.	for 2000 Seedlings	Material	120.00
10	Supply of Sieving nets, water pipes/Can etc.	for 2000 Seedlings	Material	80.00
11	Watering for 90 days (January to March) including watering in Hygropits and Spraying of Insecticides.	for 2000 Seedlings	Labour	1,176.00
12	Sorting-shifting, weeding-cleaning as and when required	for 2000 Seedlings	Labour	588.00
13	Contingency	for 2000 Seedlings		249.00
Cost of 2000 seedlings /QPM (Department Rate in Rs)				10,135.00
A. Cost of 2000 seedlings/QPM (Tender Rate with 10% Contractor's profit)				11,148.50
B. GST (18% of A;				2,006.73
C. Total Cost of Work (A+B)				13,155.23
D. Labour Cess (1% of C)				131.55
Grand Total (C+D) per 2000 QPM/Seedling (Tender Rate in Rs.) per Ha				13,286.78
Grand Total for 26.76 Ha				3,55,554.00

COUNTERSIGNED

Chief Conservator of Forests
South East Circle, W.B.

J. K. K. K.
Divisional Forest Officer,
Purulia Division.

Estimate for Creation of Miscellaneous Species Plantation (per Ha) - 2023-24						
Type of Plantation			MISCELLANEOUS SPECIES			
No. of seedlings per ha			1600			
Spacing per ha			2.5m x 2.5m			
Pit Size			60cm x 45cm. X 45cm.			
Sl No.	Particulars of Work	SoR. Ref.	Unit	Rate	Qty (mds/no)	Amount (Rs.)
1	Survey and demarcation of the plantation site including preparation of Regeneration Map and GPS Survey map	29	1 Ha	294	2	588.00
2	Clearance of undervrowth in thick forest areas : Clear felling, burning, heaping and re-burning in moderate density areas of undergrowth and bushes	27©	1 Ha	294	12	3,528.00
3	Staking and alignment of plantation site, collection of stakes, pitching etc.	30	1 Ha	294	5	1,470.00
4	Pit cutting : a) Miscellaneous species -60 x 45 x 45cm	31(a)	1 Ha	294	42	12,348.00
5	Soil moisture Conservation-Digging of box trench over a length of 500 mt of size 5 m x 0.45m x 0.45m.	32	1 Ha	294	36	10,584.00
6	Sorting and shifting of seedlings per each time	11(i)	1000 Nos.	569	1760 Nos.	1,001.44
7	Weeding and cleaning of seedlings in Hycopots/root trainers per each time	12(i)	1000 Nos.	569	1760 Nos.	1,001.44
8	Watering of seedlings in Hycopots two times per day	13(i)	10000 Nos.	285	1760 Nos.	50.16
9	Creation of inspection path by removing weeds, scraping and by providing proper drain alongkflie diagonal of the plantation site, of 3 mt wide	42	100 mtr	1423	50 mtr	711.50
10	Pit filling and application of Farm yard Manure : i) Miscellaneous Species	33(i)	1 Ha	4838	1 Ha	4,838.00
11	Transplanting of Hycopots seedlings into pits including man carriage from the unloading point .	36(i)	1000 Nos.	3557	1760 Nos.	6,260.32
12	Application of insecticides and other chemicals whenever necessary	41	1000 Nos.	569	1600 Nos.	910.40
13	Vacancy infilling of pits with new seedling wherever there mortality due abiotic and biotic factors	40	100 Nos.	427	160 Nos.	683.20
14	1st cleaning	38(a)	1 Ha	3984	1 Ha	3,984.00
15	1 st Mulching	39(a)	1000 Nos.	3984	1600 Nos.	6,374.40
16	2nd cleaning	38(b)	1 Ha	3415	1 Ha	3,415.00
17	3rd cleaning	38©	1 Ha	2846	1 Ha	2,846.00
18	Creation of fireline to protect plantation from Fire, by making 3ntt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarpping, cutting of all existing weed growth to a width of 3 in. Heaping, burning and re-burning in younger plantations	44	100 mtr	1138	200 mtr	2,276.00
19	Providing watch and ward in the form of man days to oversee the plantation and protect the plantation from damages aria lag out of biotic factors for the entire year	45	1 Ha	3415	1 Ha	3,415.00
	Sub Total (labour)					66,284.86
20	Material : a) Farm Yard Manure: 4m3	50 (a)(i)	1 Ha	4600	0.4 Ha	1,840.00
21	Material : c) Chemical Fertilizers-	50©	1 MT	28750	0.08 MT	2,300.00
22	Material : b) Insecticides, fungicides(1 ltr each/ha)	50(b)	1 Ha	690	1 Ha	690.00
23	Purchase of ingredients for different materials required for Forestry Operation including carriage upto 5km : k) Organic manure (50 gins/plants)	3(k)	1 MT	23000	0.08 MT	1,840.00
24	Transportation of Hycopots seedling from nursery to Plantation site including loading & unloading: d) lead distance >20km & upto 30km : 300CC Hycopots	34(d)	1000 Nos.	2118	1760 Nos.	3,727.68
25	Collection of Hycopots after plantation & transporting back to central nursery after careful packing etc. : d) lead distance >20km & upto 30km : 300CC Hycopots	43(d)	1000 Nos.	368	1760 Nos.	647.68
26	Fencing : Vegetative fencing using bamboo posts at least of 6 ft height with 1 ft embedded underground and not more than 5 ft apart with splitted bamboo of atleast 5 rows and using	46(a)	10 rmt	1098	70 rmt	7,686.00
27	SIGNAGE : Installation of sign board with Forest directorate colour code and emblem of size 3' x 4ft made out of brick work and plastered and well finished and painted with good quality paint	49				200.00
	Sub Total (Materials)					18,931.36
A	Total (labour + materials)					85,216.22
B	Add GST (18% on A)					15,338.92
C	Total (A + B)					1,00,555.14
D	Add Cess (1% on C)					1,005.55
E	Add Contingency (3% on C)					3,016.65
F	Add 10% Contractor profit for tender works on C					10,055.51
G	Grand Total (C + D + E+F)					1,14,633.00
	Grand Total for 26.76 ha					30,67,579.00

Rs. Thirty lakh sixty seven thousand five hundred seventy nine only

COUNTERSIGNED

Chief Conservator of Forests
South East Circle, W.B.

P. K. K. K.
Divisional Forest Officer,
Purulia Division.

SCHEDULE FOR 1ST YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		MISCELLANEOUS SPECIES
No of seedlings per ha		1600
	Spacing per ha	2.5m x 2.5m
Sl. No.	Particulars of Work	
A.	Labour Component	
1	Vacancy infilling and transport of seedlings	6
2	1st weeding, cleaning, mulching, with application of fertilizer	14
3	2nd weeding, cleaning, mulching	12
4	3rd weeding, cleaning, mulching	6
5	Cutting of Firelines (3m wide)	12
6	Watch & Ward	30
7	Application of insecticide and Organic Manure	8
8	Repairing of CPT, Contour Trench and Box Trench & fencing	30
9	Raising of seedlings for infilling	12
10	Watering to seedlings during dry spell	4
Total Mandays (Nos.).		134
X.	Cost of Labour Component @ Rs.312/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	41808.00
Add GST.18% (sec Code.: 991579) for Tender Work over X (Rs.).		7525.44
Cost of labour Component for tender work with GST Ms.).		49333.44
B. Material Cost (Rs.)		
1	Transport of seedling/fertilizer/water tanker (GST: 18%)	3540.00
2	Cost of fertilizer, cowdung manure etc (GST: 5%)	2100.00
3	Cost of Insecticide (GST: 18%)	590.00
Y.	Total Material Cost without Labour Cess (Rs.) =	6230.00
X.	Cost of Labour Component for tender work with GST (Rs.) =	49333.44
Z.	Total Cost (X + Y) =	55563.44
4	Contingency 3%	1666.90
5	Labour Cess 1%	555.63
Total =		57,786
Add 10% Contractors profit for tender work (Rs.) =		5,779
GRAND TOTAL for TENDER WORK with GST (Rs.) =		63,565
Total for 26.76 Ha. Plantation		17,00,988

J. Kauri
Divisional Forest Officer,
Purulia Division.

COUNTERSIGNED

[Signature]
Chief Conservator of Forests
South East Circle, W.B.

SCHEDULE FOR 2ND YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		MISCELLANEOUS SPECIES
No of seedlings per ha		1600
	Spacing per ha	2.5m x 2.5m
Sl. No.	Particulars of Work	
A.	Labour Component	
1	Vacancy infilling and transport of seedlings	6
2	1st weeding, cleaning, mulching, with application of fertilizer	14
3	2nd weeding, cleaning, mulching	10
5	Cutting of Firelines (3m wide)	12
6	Watch & Ward	30
7	Application of insecticide and Organic Manure	6
8	Repairing of CPT, Contour Trench and Box Trench & fencing	25
9	Raising of seedlings for infilling	10
10	Watering to seedlings during dry spell	4
Total Mandays (Nos.).		117
X.	Cost of Labour Component @ Rs.331/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	38727.00
Add GST.18% (sec Code.: 991579) for Tender Work over X (Rs.).		6970.86
Cost of labour Component for tender work with GST Ms.).		45697.86
B. Material Cost (Rs.)		
1	Transport of seedling/fertilizer /water tanker (GST: 18%)	2950.00
2	Cost of fertilizer, cowdung manure etc (GST: 5%)	2100.00
3	Cost of Insecticide (GST: 18%)	590.00
Y.	Total Material Cost without Labour Cess (Rs.) =	5640.00
X.	Cost of Labour Component for tender work with GST (Rs.) =	45697.86
Z.	Total Cost (X + Y) =	51337.86
4	Contingency 3%	1540.14
5	Labour Cess 1%	513.38
Total =		53,391
Add 10% Contactors profit for tender work (Rs.) =		5,339
GRAND TOTAL for TENDER WORK with GST (Rs.) =		58,731
Total for 26.76 Ha. Plantation		15,71,628

COUNTERSIGNED

Chief Conservator of Forests
South East Circle, W.B.

Divisional Forest Officer,
Purulia Division.

SCHEDULE FOR 3RD YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		MISCELLANEOUS SPECIES
No of seedlings per ha		1600
Spacing per ha		2.5m x 2.5m
Sl. No.	Particulars of Work	
A.	Labour Component	
1	Vacancy infilling and transport of seedlings	4
2	1st weeding, cleaning, mulching, with application of fertilizer	12
3	2nd weeding, cleaning, mulching	10
4	Cutting of Firelines (3m wide)	12
5	Watch & Ward	30
6	Application of insecticide	3
7	Repairing of CPT, Contour Trench and Box Trench & fencing	20
8	Raising of seedlings for infilling	8
9	Watering to seedlings during dry spell	3
Total Mandays (Nos.).		102
X.	Cost of Labour Component @ Rs.351/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	35802.00
Add GST.18% (sec Code.: 991579) for Tender Work over X (Rs).		6444.36
Cost of labour Component for tender work with GST Ms.).		42246.36
B. Material Cost (Rs.)		
1	Transport of seedling/fertilizer /water tanker (GST: 18%)	2360.00
2	Cost of fertilizer (GST: 5%)	1050.00
3	Cost of Insecticide (GST: 18%)	590.00
Y.	Total Material Cost without Labour Cess (Rs.) =	4000.00
X.	Cost of Labour Component for tender work with GST (Rs.) =	42246.36
Z.	Total Cost (X + Y) =	46246.36
4	Contingency 3%	1387.39
5	Labour Cess 1%	462.46
Total =		48,096
Add 10% Contactors profit for tender work (Rs.) =		4,810
GRAND TOTAL for TENDER WORK with GST (Rs.) =		52,906
Total for 26.76 Ha. Plantation		14,15,760

COUNTERSIGNED

Chief Conservator of Forests
South East Circle, W.B.

G. K. Karmali
Divisional Forest Officer,
Purulia Division.

SCHEDULE FOR 4TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		MISCELLANEOUS SPECIES
No of seedlings per ha		1,600.00
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning, mulching, without application of fertilizer	10.00
2	2nd weeding, cleaning	8.00
3	Watch & Ward	20.00
4	Repairing of CPT, Contour Trench and Box Trench & fencing	18.00
5	Cutting of Firelines (3m wide)	10.00
Total Mandays (Nos.).		66.00
X.	Cost of Labour Component @ Rs.372/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	24,552.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		4,419.36
Cost of labour Component for tender work with GST Ms.).		28,971.36
1	Contingency 3%	869.14
2	Labour Cess 1%	289.71
GRAND TOTAL for TENDER WORK with GST (Rs.)=		30,130.21
Total for 26.76 Ha. Plantation		8,06,284.54
Orsay,		8,06,285.00

G. Kumar
Divisional Forest Officer,
Purulia Division.

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[Signature]
Chief Conservator of Forests
South East Circle, W.B.

SCHEDULE FOR 5TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		MISCELLANEOUS SPECIES
No of seedlings per ha		1,600.00
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	8.00
2	2nd weeding, cleaning	6.00
3	Watch & Ward	20.00
4	Repairing of CPT, Contour Trench and Box Trench & fencing	18.00
5	Cutting of Firelines (3m wide)	8.00
Total Mandays (Nos.).		60.00
X.	Cost of Labour Component @ Rs.394/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	23,640.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		4,255.20
Cost of labour Component for tender work with GST Ms.).		27,895.20
1	Contingency 3%	836.86
2	Labour Cess 1%	278.95
GRAND TOTAL for TENDER WORK with GST (Rs.)=		29,011.01
Total for 26.76 Ha. Plantation		7,76,334.57
Orsay,		7,76,335.00

G. Karthi
Divisional Forest Officer,
Purulia Division.

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[Signature]
Chief Conservator of Forests
South East Circle, W.B.

SCHEDULE FOR 6TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		MISCELLANEOUS SPECIES
No of seedlings per ha		1,600.00
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	8.00
2	2nd weeding, cleaning	6.00
3	Watch & Ward	20.00
4	Repairing of CPT, Contour Trench and Box Trench & fencing	15.00
Total Mandays (Nos.).		49.00
X.	Cost of Labour Component @ Rs.418/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	20,482.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		3,686.76
Cost of labour Component for tender work with GST Ms.).		24,168.76
1	Contingency 3%	725.06
2	Labour Cess 1%	241.69
GRAND TOTAL for TENDER WORK with GST (Rs.)=		25,135.51
Total for 26.76 Ha. Plantation		6,72,626.26
Orsay,		6,72,626.00

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Chief Conservator of Forests
South East Circle, W.B.

Divisional Forest Officer,
Purulia Division.

SCHEDULE FOR 7TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		MISCELLANEOUS SPECIES
No of seedlings per ha		1,600.00
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	6.00
2	2nd weeding, cleaning	5.00
3	Watch & Ward	20.00
Total Mandays (Nos.).		31.00
X.	Cost of Labour Component @ Rs.443/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	13,733.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2,471.94
Cost of labour Component for tender work with GST Ms.).		16,204.94
1	Contingency 3%	486.15
2	Labour Cess 1%	162.05
GRAND TOTAL for TENDER WORK with GST (Rs.)=		16,853.14
Total for 26.76 Ha. Plantation		4,50,989.96
Orsay,		4,50,990.00

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Chief Conservator of Forests
South East Circle, W.B.

Divisional Forest Officer,
Purulia Division.

SCHEDULE FOR 8TH YEAR MAINTENANCE OF PLANTATIONS (COMPENSATORY AFFORESTATION)		
Type of plantation		
		MISCELLANEOUS SPECIES
No of seedlings per ha		1,600.00
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	6.00
2	2nd weeding, cleaning	4.00
3	Watch & Ward	18.00
Total Mandays (Nos.).		28.00
X.	Cost of Labour Component @ Rs.470/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	13,160.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2,368.80
Cost of labour Component for tender work with GST Ms.).		15,528.80
1	Contingency 3%	465.86
2	Labour Cess 1%	155.29
GRAND TOTAL for TENDER WORK with GST (Rs.)=		16,149.95
Total for 26.76 Ha. Plantation		4,32,172.72
Orsay,		4,32,173.00

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Chief Conservator of Forests
for South East Circle, W.B.

Divisional Forest Officer,
Purulia Division.

SCHEDULE FOR 9TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		MISCELLANEOUS SPECIES
No of seedlings per ha		1,600.00
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	5.00
2	2nd weeding, cleaning	4.00
3	Watch & Ward	16.00
Total Mandays (Nos.).		25.00
X.	Cost of Labour Component @ Rs.498/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	12,450.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2,241.00
Cost of labour Component for tender work with GST Ms.).		14,691.00
1	Contingency 3%	440.73
2	Labour Cess 1%	146.91
GRAND TOTAL for TENDER WORK with GST (Rs.)=		15,278.64
Total for 26.76 Ha. Plantation		4,08,856.41
Orsay,		4,08,856.00

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Chief Conservator of Forests
South East Circle, W.B.

G. Karan
Divisional Forest Officer,
Purulia Division.

SCHEDULE FOR 10TH YEAR MAINTENANCE OF PLANTATION (COMPENSATORY AFFORESTATION)		
Type of plantation		
		MISCELLANEOUS SPECIES
No of seedlings per ha		1,600.00
	Spacing per ha	2.5m x 2.5m
SL.	Particulars of Work	
A.	Labour Component	
1	1st weeding, cleaning	5.00
2	2nd weeding, cleaning	4.00
3	Watch & Ward	14.00
Total Mandays (Nos.).		23.00
X.	Cost of Labour Component @ Rs.528/MD for Departmental Work (Rs.).(Wage rate has been assumed predicting 6% annual increment)	12,144.00
Add GST.18% (sec Code.: 991579) for Tender Work over X		2,185.92
Cost of labour Component for tender work with GST Ms.).		14,329.92
1	Contingency 3%	429.90
2	Labour Cess 1%	143.30
GRAND TOTAL for TENDER WORK with GST (Rs.)=		14,903.12
Total for 26.76 Ha. Plantation		3,98,807.41
Orsay,		3,98,807.00

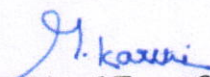
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Chief Conservator of Forests
South East Circle, W.B.

G. K. K. K.
Divisional Forest Officer,
Purulia Division.

Abstract of Compensatory Afforestation Cost & SMC Works

Sl. No.		Work Details	Cost
1	Compensatory Afforestation (CA Cost)	Raising seedlings or Nursery during 2023-24	355554.00
		Miscellaneous Species Plantation Creation during 2024-25	3067579.00
		1st Year Maintenance during 2025-26	1700988.00
		2nd Year Maintenance during 2026-27	1571628.00
		3rd Year Maintenance during 2027-28	1415760.00
		4th Year Maintenance during 2028-29	806285.00
		5th Year Maintenance during 2029-30	776335.00
		6th Year Maintenance during 2030-31	672626.00
		7th Year Maintenance during 2031-32	450990.00
		8th Year Maintenance during 2032-33	432173.00
		9th Year Maintenance during 2033-34	408856.00
		10th Year Maintenance during 2034-35	398807.00
Total =			12057581.00
2	Associated SMC Works: 25% of CA amount	SMC work in CA Plantation site	3014395.00
Grand Total: CA cost			1,50,71,976.00


 Divisional Forest Officer,
 Purulia Division.

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 Chief Conservator of Forests
 South East Circle, W.B.