

ABSTRACT OF COMPENSATORY AFFORESTATION

Division: Kalimpong Forest Division

Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.

Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

SL. NO	Particulars of Work	Ha	Rate	Amount
1	Advance Work	21.00	26100	548100.00
2	Creation of Plantation	21.00	96441	2025261.00
3	SMC work @15% of creation amount	21.00	14466.15	303789.15
4	1st Year Mintenance Work	21.00	36925	775425.00
5	2nd Year Mintenance Work	21.00	26876	564396.00
6	3rd Year Mintenance Work	21.00	20168	423528.00
7	4th Year Mintenance Work	21.00	19142	401982.00
8	5th Year Mintenance Work	21.00	20136	422856.00
9	6th Year Mintenance Work	21.00	12715	267015.00
10	7th Year Mintenance Work	21.00	13925	292425.00
11	8th Year Mintenance Work	21.00	15305	321405.00
12	9th Year Mintenance Work	21.00	16820	353220.00
13	10th Year Mintenance Work	21.00	18490	388290.00
Total				7087692.15
Or say Rs				7087692.00
Rs. (Seventy lakh eighty Seven thousand six hundred ninety two) Only				

checked
2



Divisional Forest Officer
Kalimpong Forest Division

KALIMPONG FOREST DIVISION

WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)
 Nature of Work: Advance Works (Compensatory Afforestation)
 Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.
 Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

(I) Advance Work (Including maintenance)				
Sl.	Particulars	Period	Labour	Material
1	Preparation of Mother Bed	December	5	
2	Collection of Seeds/Purchas of seeds	Dec-June	5	
3	Cost of big polypots in field nurseries/extra hycopots in central nurseries			2000
4	Cost of sand,compost,and top soil			7500
5	Sowing of seeds in mother bed	Dec-June	10	
6	Transplanting of seedlings to polypots/hycopots	Jan-July	10	
7	Weeding,forking,sorting,shifting,watering,pesticides and nutrients application	17 Months	20	1000
8	Maintenance of Nursery by way of weeding cleaning eyec in consequent years for infilling etc	Jan-Dec	10	
	Total Labour Compenents @260 (60*260)		15600	
	Total Material Compenent			10500
	Total for advance work/ha			26100

Checked.



 Divisional Forest Officer
 Kalimpong Forest Division


KALIMPONG FOREST DIVISION WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)
Nature of Work: Creation Works (Compensatory Afforestation)
Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.
Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

(II) Creation of Plantation				
Sl No	Particulars of works	Period	Labour	Material
1	Survey and Demarcation of Plantation area including GPS Survey	Nov-DEC	2	
2	Making soil profile for 2ft X 2 ft X5 ft at a random collection point for collection of soil sample	Nov-DEC	5	
3	Preperation of sit and 1st round of preparatory cleaning of all weeds (controlled burning/manual and mechanical Cleaning and burial for composting /spraying of non selective herbicides)	Dec-Jan	30	
4	Additional labour required for removal of malingo	Dec-Jan	30	
5	Alignment of planting lines and stacking the pit position	Mar-Apr	2	
6	cost of digging pits	Mar-Apr	30	
7	Maintenance of seedlings in nursery (sorting, shifting, weeding, forking, hardening)	Mar-May	4	
8	Cost of carriage of seedlings from nursery site to plantation site	Mar-May	18	
9	Barbed wire fencing with alternate bamboo and iron in plains and foothills	Mar-May		10000
10	Brushwood fencing with additional cost on transportation of seedlings	Mar-May	18	4000
11	2nd round preparatory cleaning of all weeds (controlled burning/manual and mechanical cleaning)	Apr-May	6	
12	Filling of pits with application of organic manures, biofertilizers, and biocontrol agents	Apr-May	3	1200
13	Planting of seedlings with staking/dibbling of seed setc	May-June	30	
14	1st cleaning with soil mulching/earth up with min. 1 ft radius earth basins	May-June	20	
15	Spraying of pesticides and nutrients on the plant	May-June	3	500
16	2nd time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Jul-Aug	16	500
17	3rd time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Sept-Oct	14	500
18	4th time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Dec-Jan	10	
19	5th time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Feb-March	8	
20	Watch and Ward	Jun-Mar	20	
21	Creation of fireline min 1.5 mtr all along the periphery and 1.2 mtr within the plantation	Dec-Jan	8	
22	Signaes			500
23	Other Contingencies			19
Total Labour			277	
Total Labour Components @286(277*286)			79222	
Total Material Components				17219
Total Creation Work/Ha				96441

Charles
2


 Divisional Forest Officer
 Kalimpong Forest Division

KALIMPONG FOREST DIVISION

WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)

Nature of Work: Maintenance 1st Year (Compensatory Afforestation)

Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.

Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

1st year Maintenance				
Sl No	Particulars of works	Period	Labour	Material
1	Repair of Barbed wire fencing with alternate bamboo and iron post	Apr-Jun		3000
2	Repair of brushwood fencing and additional cost on transportation of seedlings	Apr-May	10	2000
3	Infilling with 2 year old tall seedlings including transportation cost	Apr-May	10	
4	1st cleaning with soil mulching/earth up with min. 1 ft radius earth basins	May-June	16	
5	Spraying of pesticides and nutrients on the plant	May-June	3	500
6	2nd time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Jul-Aug	12	500
7	3rd time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Sept-Oct	8	500
8	4th time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Dec-Jan	8	
9	Watch and Ward	Apr-March	24	
10	Maint. of fireline min 1.5 mtr all along the periphery and 1.2 mtr within the plantation	Dec-Jan	4	
11	Repair of Signaels			500
12	Other Contingencies			95
Total Labour			95	
Total Labour Components @314(95*314)			29830	
Total Material Components				7095
Total Maintenance Work/Ha				36925

Checked
9/2

[Signature]
Divisional Forest Officer
Kalimpong Forest Division

KALIMPONG FOREST DIVISION

WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)
 Nature of Work: Maintenance 2nd Year (Compensatory Afforestation)
 Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.
 Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

2nd year Maintenance				
SI No	Particulars of works	Period	Labour	Material
1	Repair of Barbed wire fencing with alternate bamboo and iron post	Apr-May		1000
2	Repair of brushwood fencing and additional cost on transportation of seedlings	Apr-May	5	300
3	Infilling with 2 year old tall seedlings including transportation cost	Apr-May	5	
4	1st cleaning with soil mulching/earth up with min. 1 ft radius. earth basins	May-June	16	
5	2nd time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Sept-Oct	12	
6	3rd time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Dec-Jan	8	
7	Watch and Ward	Apr-March	24	
8	Maint. of fireline min 1.5 mtr all along the periphery and 1.2 mtr within the plantation	Dec-Jan	4	
9	Other Contingencies			46
Total labour			74	
Total Labour Components @345(74*345)			25530	
Total Material Components				1346
Total Maintenance Work/Ha				26876

Checked
92

[Signature]
 Divisional Forest Officer
 Kalimpong Forest Division

KALIMPONG FOREST DIVISION WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)

Nature of Work: Maintenance 3rd Year (Compensatory Afforestation)

Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.

Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

3rd year Maintenance				
Sl No	Particulars of works	Period	Labour	Material
1	Infilling with 2 year old tall seedlings including transportation cost	Apr-May	5	
2	1st cleaning with soil mulching/earth up with min. 1 ft radius.earth basins	May-June	15	
3	2nd time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Dec-Jan	10	
4	Watch and Ward	Apr-March	18	
5	Maint. of fireline min 1.5 mtr all along the periphery and 1.2 mtr within the plantation	Dec-Jan	5	
6	Other Contingencies			81
Total labour			53	
Total Labour Components @379(53*379)			20087	
Total Material Components				81
Total Maintenance Work/Ha				20168


Divisional Forest Officer
Kalimpong Forest Division

KALIMPONG FOREST DIVISION WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)

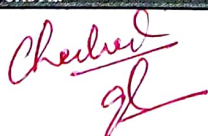
Nature of Work: Maintenance 4th Year (Compensatory Afforestation)


Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.

Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

4th year Maintenance				
Sl No	Particulars of works	Period	Labour	Material
1	Infilling with 2 year old tall seedlings including transportation cost	Apr-May	5	
2	1st cleaning with soil mulching/earth up with min. 1 ft radius.earth basins	May-June	15	
3	2nd time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Dec-Jan	10	
4	Watch and Ward	Apr-March	12	
5	Maint. of fireline min 1.5 mtr all along the periphery and 1.2 mtr within the plantation	Dec-Jan	4	
6	Other Contingencies			6
Total labour			46	
Total Labour Components @416/-(46*416)			19136	
Total Material Components				6
Total Maintenance Work/Ha				19142




Divisional Forest Officer
Kalimpong Forest Division

KALIMPONG FOREST DIVISION WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)

Nature of Work: Maintenance 5th Year (Compensatory Afforestation)

Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.

Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

5th year Maintenance				
Sl No	Particulars of works	Period	Labour	Material
1	Infilling with 2 year old tall seedlings including transportation cost	Apr-May	5	
2	1st cleaning with soil mulching/earth up with min. 1 ft radius.earth basins	May-June	15	
3	2nd time cleaning with soil mulching/earth up with min. 1 ft radius earth basins.	Dec-Jan	8	
4	Watch and Ward	Apr-March	12	
5	Maint. of fireline min 1.5 mtr all along the periphery and 1.2 mtr within the plantation	Dec-Jan	4	
6	Other Contingencies			28
Total labour			44	
Total Labour Components @457/- (44*457)			20108	
Total Material Components				28
Total Maintenance Work/Ha				20136

Checked
[Signature]

[Signature]
Divisional Forest Officer
Kalimpong Forest Division

KALIMPONG FOREST DIVISION WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)

Nature of Work: Maintenance 6th Year (Compensatory Afforestation)

Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.

Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

6th year Maintenance				
Sl No	Particulars of works	Period	Labour	Material
1	Fire Protection (Watcher)	Jan-March	20	
2	Mulching and repairing of fencing	Dec-May	5	
3	Other Contingencies			165
Total labour			25	
Total Labour Components @502/- (25*502)			12550	
Total Material Components				165
Total Maintenance Work/Ha				12715

Checked
[Signature]

[Signature]
Divisional Forest Officer
Kalimpong Forest Division

KALIMPONG FOREST DIVISION WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)

Nature of Work: Maintenance 7th Year (Compensatory Afforestation)


Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.

Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

7th year Maintenance				
Sl No	Particulars of works	Period	Labour	Material
1	Fire Protection (Watcher)	Jan-March	20	
2	Mulching and reparing of fecncing	Dec-May	5	
3	Other Contingencies			125
Total labour			25	
Total Labour Components @552/-(25*552)			13800	
Total Material Components				125
Total Maintenance Work/Ha				13925

Checked
RL


Divisional Forest Officer
Kalimpong Forest Division

KALIMPONG FOREST DIVISION WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)

Nature of Work: Maintenance 8th Year (Compensatory Afforestation)


Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.

Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

8h year Maintenance				
Sl No	Particulars of works	Period	Labour	Material
1	Fire Protection (Watcher)	Jan-March	20	
2	Mulching and reparing of fecncing	Dec-May	5	
3	Other Contingencies			130
Total labour			25	
Total Labour Components @607/-(25*607)			15175	
Total Material Components				130
Total Maintenance Work/Ha				15305

Checked
RL


Divisional Forest Officer
Kalimpong Forest Division

KALIMPONG FOREST DIVISION

WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)
 Nature of Work: Maintenance 9th Year (Compensatory Afforestation)
 Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.
 Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

9th year Maintenance				
Sl No	Particulars of works	Period	Labour	Material
1	Fire Protection (Watcher)	Jan-March	20	
2	Mulching and reparing of fecncing	Dec-May	5	
3	Other Contingencies			145
Total labour			25	
Total Labour Components @667/-(25*667)			16675	
Total Material Components				145
Total Maintenance Work/Ha				16820

Charles

Divisional Forest Officer
 Kalimpong Forest Division

KALIMPONG FOREST DIVISION

WORK ESTIMATE FORM

Place of Work: Kalimpong Forest Division (Neora Range)
 Nature of Work: Maintenance 10th Year (Compensatory Afforestation)
 Location: Mal-3 Compartment, Beat : Burikhola, Range Neora.
 Physical: 21 Ha.

Name of Project: Proposal for diversion of 13.512 Ha of forest land(Kurseong Forest Division 0.5089 Ha + Darjeeling Forest Division 2.7945 Ha + Kalimpong Forest Division 10.2086 Ha) for Sevoke Rangpo New BG Rail Project under Kalimpong Forest Division.

10th year Maintenance				
Sl No	Particulars of works	Period	Labour	Material
1	Fire Protection (Watcher)	Jan-March	20	
2	Mulching and reparing of fecncing	Dec-May	5	
3	Other Contingencies			165
Total labour			25	
Total Labour Components @733/-(25*733)			18325	
Total Material Components				165
Total Maintenance Work/Ha				18490

Charles

Divisional Forest Officer
 Kalimpong Forest Division