



**Government of West Bengal
Directorate of Forests**

Office of the Chief Conservator of Forests, Hill Circle, West Bengal

Shankar Villa, Ladenla Road, Darjeeling-734101
Phone : Office – 2234-1855, 2225-7487, 2234-1856,
e-mail : ccfhw@gmail.com; ccfhw.frd-wb@bangla.gov.in



No. 1610 /C2- 266/2022,

Dated, Darjeeling the 06 /December/2022.

To The Divisional Forest Officer,
Kalimpong Forest Division

Sub : Approval of estimates for Compensatory Afforestation against the
proposal diversion of 0.0144 ha of forest land.

Ref : Your letter No. 4176/9-17 dated 24.11.2022

With reference to aforementioned letter, the estimates of Compensatory Afforestation against the proposal diversion of 0.0144 ha (Kalimpong Forest Division) of forest land for setting up e-node B (Mobile Tower) at Mongpong -10 comppt. under Kalimpong Forest Division is hereby approved and duly countersigned by the undersigned.

A copy of the same is returned herewith for taking necessary action.

[Handwritten signature]
24/12/2022

(S. Gajamer IFS)
Chief Conservator of Forests
Hill Circle, West Bengal



Office of the CCF
Hill Circle, W.B.,
Reg. No. 3024
Case No. C2-266
Date 24.11.2022

Government of West Bengal

Directorate of Forests

Office of the Divisional Forest Officer, Kalimpong Forest Division

Ringkingpong Road, Kalimpong:: 734301

Phone - Fax:: (03552) 255496. Email Id-dfokpgdiv@gmail.com/dfokalsc-wb@nic.in



Memo No. 4176. 19-17

Dated, Kalimpong, the 24.11.2022

To,
The Chief Conservator of Forests,
Hill Circle, West Bengal.


Sub: Approval for Details estimates of Compensatory Afforestation.

Sir/Madam

With reference to the above, kindly find herewith the details estimates of Compensatory Afforestation against diversion of 0.0144 ha of forest land for setting up e-node B (Mobile Tower) tower at Mongpong-10 Compartment under the jurisdiction of Kalimpong Forest Division.

This is for your kind Approval and taking necessary action.

Enclosed: As Stated


Divisional Forest Officer,
Kalimpong Forest Division

Compensatory Afforestation against Diversion of 0.0144 ha of forest land for setting up e-node B (Mobile Tower) Tower at Mongpong-10 Compartment under the jurisdiction of Kalimpong Forest Division District Kalimpong.

Sl No	Particulars of Work	Ha	@	Amount(Rs)
1	Advance Work	0.0288*	35274	1,016
2	Creation Work	0.0288	110916	3,194
3	1st Year Maint Work	0.0288	56230	1,619
4	2nd Year Maint Work	0.0288	46004	1,325
5	3rd Year Maint Work	0.0288	36989	1,065
6	4th Year Maint Work	0.0288	39852	1,148
7	5th Year Maint Work	0.0288	40808	1,175
8	6th Year Maint Work	0.0288	33590	967
9	7th Year Maint Work	0.0288	40235	1,159
10	8th Year Maint Work	0.0288	48290	1,391
11	9th Year Maint Work	0.0288	57930	1,668
12	10th Year Maint Work	0.0288	69500	2,002
13	Erection of Elephant proof power fencing		246945.00	246,945
Total				264,675

Rs (Two lakh sixty four thousand six hundred seventy five) Only

Divisional Forest Officer
Kalimpong Forest Division

Approved
24.11.2022
Chief Conservator of Forests
Hill Circle, West Bengal

Compensatory Afforestation against Diversion of 0.0144 ha of forest land for setting up e-node B (Mobile Tower) Tower at Mongpong-10 Compartment under the jurisdiction of Kalimpong Forest Division District Kalimpong.

Spacing= 2 m X 2m

Species : Miscellaneous

CA Area under Kalimpong Forest Division				
Sl no	Range	Beat	Block/Comptt	Area in Ha
1	Chel	Mongpong	Mongpong-7	0.0288
Total				0.0288

(I) Advance Work

Sl no	Particulars of works	Period	Labour	Materials
1	Preparation of Mother bed	Dec	1	
2	Collection of seeds/Purchase of seeds	Dec-June	5	
3	cost of big polypots in field nurseries/extra hycopots in central nurseries.			1250
4	Cost of sand,compost and top soil			7500
5	sowing of seeds in mother bed	Dec-June	5	
6	Transplanting of seedlings to polypots/hycopots	Jan-Jul	15	
7	weeding,forking,sorting,shifting,watering,pesticide and nutrients application	17 months	51	2500
	Total Labour Component @ Rs 312/-		24024	
	Total Material Component			11250
	Total for Advance Work / Ha			35274

(II) Creation of Plantation

S.No	Particulars of works	Period	Labour (md)	Material cost(Rs.)
1	Survey and Demarcation of plantation area including GPS survey	Nov-Dec	1	
2	Making soil profile for 2 ft X2 ftX 5 ft at a random point, collection of soil samples for the	Nov-Dec	3	
3	Preparation of site and 1st round of preparatory cleaning of all weeds(controlled burning/ manual and mechanical Cleaning and burial for composting/spraying of non selective systemic herbicides)	Dec-Jan	30	
	Alignment of planting lines and stacking the pit position	Mar-Apr	4	
5	Cost of digging pits	Mar-Apr	33	
7	Maintenance of seedlings in nursery (sorting,shifting, weeding,forking, hardening, spraying	Mar-May	4	
8	Cost of carriage of seedlings from nursery to plantation site	Mar-May	18	
9	Barbed wire fencing with alternate bamboo and iron posts in plains and foothills	Mar-May	...	14000
10	Brushwood fencing with additional cost on transportation of seedlings and additional	Mar-May	30	4000
11	2nd round of preparatory Cleaning of all weeds(controlled burning/ manual and mechanical	Apr-May	8	
12	Filling of pits with application of organic manures,biofertilizers and biocontrol agents inside	Apr-May	4	1200
13	Planting of seedlings with staking/Dibbling of Sal seeds,seed cost with cleaning of weeds	May-Jun	18	
14	1st time cleaning with soil mulching/earthing up with min 1 ft radius earth basins with	May-Jun	18	
15	Spraying of Pesticides and nutrients on the plants	May-Jun	1	1000
16	2nd time cleaning with soil mulching/earthing up with min 1 ft radius earth basins with	Jul-Aug	15	800
17	3rd time cleaning with soil mulching/earthing up with min 1 ft radius earth basins with	Sep-Oct	12	600
18	4th time cleaning with soil mulching/earthing up with min 1 ft radius earth basins	Dec-Jan	8	
19	5th time cleaning with soil mulching/earthing up with min 1 ft radius earth basins	Feb-Mar	6	
20	Watch and ward	Jun-Mar	18	
21	Creation of firellne-min 1.5 m all along the periphery and 1.2 m within the plantation	Dec-Jan	5	
22	Signages			1000
23	Other contingencies			52
	Total Labour Component @ Rs 374		88264	
	Total Material Component			22652
	Total for Creation Work / Ha			110916

Approved

24/11/2022
Chief Conservator of Forests
HW Circle, West Bengal

DIVISIONAL FOREST OFFICER
Kalimpong Forest Division
Kalimpong

1st year maintenance of Plantation

S.No	Particulars of works	Period	Labour(mo)	Material cost(Rs.)
1	Repair of Barbed wire fencing with alternate bamboo and iron posts in plains and foothills	Apr-May	...	5000
2	Repair of Brushwood fencing and additional cost on transportation of seedlings and	Apr-May	10	2620
3	Infilling with 2 years old tall seedlings including transportation cost	Apr-May	10	
4	1st time cleaning with soil mulching/earthing up with min 1 ft radius earth basins with	May-Jun	20	
5	Spraying of Pesticides and nutrients on the plants	May-Jun	3	1000
6	2nd time cleaning with soil mulching/earthing up with min 1 ft radius earth basins with	Jul-Aug	12	1000
7	3rd time cleaning with soil mulching/earthing up with min 1 ft radius earth basins with	Sep-Oct	8	1000
8	4th time cleaning with soil mulching/earthing up with min 1 ft radius earth basins	Dec-Jan	8	
9	Watch and ward	Apr-Mar	24	
10	Creation of fireline-min 1.5 m all along the periphery and 1.2 m within the plantation	Dec-Jan	4	
11	Repair of Signages			1000
12	Other contingencies			159
	Total Labour Component @ Rs 449/-		44451	
	Total Material Component			11779
	Total for 1st year Maint Work / Ha			56230

2nd Year maintenance of Plantation

	Particulars of works	Period	Labour(mo)	Material cost(Rs.)
1	Repair of Barbed wire fencing with alternate bamboo and iron posts in plains and foothills	Apr-May	...	2500
2	Repair of Brushwood fencing with additional cost on transportation of seedlings and	Apr-May	5	1310
3	Infilling with 2 years old tall seedlings including transportation cost	Apr-May	5	
4	1st time cleaning with soil mulching/earthing up	May-Jun	20	
5	2nd time cleaning with soil mulching/earthing up	Sep-Oct	12	
6	3rd time cleaning with soil mulching/earthing up	Dec-Jan	8	
7	Watch and ward	Apr-Mar	24	
8	Fireline-min 1.5 m all along the periphery and 1.2 m within the plantation	Dec-Jan	4	
9	Other contingencies			152
	Total Labour Component @ Rs 539/-		42042	
	Total Material Component			3962
	Total for 2nd year Maint Work / Ha			46004

3rd Year maintenance of Plantation

S.No	Particulars of works	Period	Labour(mo)	Material cost(Rs.)
1	Infilling with 2 years old tall seedlings including transportation cost	Apr-May	5	
2	1st time cleaning with soil mulching/earthing up	May-Jun	15	
3	2nd time cleaning with soil mulching/earthing up	Dec-Jan	15	
4	Watch and ward	Apr-Mar	18	
5	Fireline-min 1.5 m all along the periphery and 1.2 m within the plantation	Dec-Jan	4	
6	Other contingencies			167
	Total Labour Component @ Rs 646/-		36822	
	Total Material Component			167
	Total for 3rd year Maint Work / Ha			36989

4th Year maintenance of Plantation

S.No	Particulars of works	Period	Labour(mo)	Material cost(Rs.)
1	Infilling with 2 years old tall seedlings including transportation cost	Apr-May	5	
2	1st time cleaning with soil mulching/earthing up	May-Jun	15	
3	2nd time cleaning with soil mulching/earthing up	Dec-Jan	15	
4	Watch and ward	Apr-Mar	12	
5	Fireline-min 1.5 m all along the periphery and 1.2 m within the plantation	Dec-Jan	4	
6	Other contingencies			276
	Total Labour Component @ Rs 776/-		39576	
	Total Material Component			276
	Total for 4th year Maint Work / Ha			39852

Approved.

[Signature]
24/11/2022

[Signature]
DIVISIONAL FOREST OFFICER
Kalimpong Forest Division
Kalimpong

5th Year maintenance of Plantation

S.No	Particulars of works	Period	Labour(mo)	Material cost(Rs.)
1	Infilling with 2 years old tall seedlings including transportation cost	Apr-May	5	
2	1st time cleaning with soil mulching/earthing up	May-Jun	15	
3	2nd time cleaning with soil mulching/earthing up	Dec-Jan	15	
4	Watch and ward	Apr-Mar	12	
5	Fireline-min 1.5 m all along the periphery and 1.2 m within the plantation	Dec-Jan	4	
6	Other contingencies			212
	Total Labour Component @ Rs 796/-		40596	
	Total Material Component			212
	Total for 5th year Maint Work / Ha			40808

6th Year maintenance of Plantation

S.No	Particulars of works	Period	Labour(mo)	Material cost(Rs.)
1	Fire protection (Fire watcher)	Jan-Mar	30	
2	Mulching and repairing of fench etc	Dec-May	5	
6	Other contingencies			165
	Total Labour Component @ Rs 955/-		33425	
	Total Material Component			165
	Total for 6th year Maint Work / Ha			33590

7th Year maintenance of Plantation

S.No	Particulars of works	Period	Labour(mo)	Material cost(Rs.)
1	Fire protection (Fire watcher)	Jan-Mar	30	
2	Mulching and repairing of fench etc	Dec-May	5	
6	Other contingencies			125
	Total Labour Component @ Rs 1146/-		40110	
	Total Material Component			125
	Total for 7th year Maint Work / Ha			40235

8th Year maintenance of Plantation

S.No	Particulars of works	Period	Labour(mo)	Material cost(Rs.)
1	Fire protection (Fire watcher)	Jan-Mar	30	
2	Mulching and repairing of fench etc	Dec-May	5	
6	Other contingencies			130
	Total Labour Component @ Rs 1376/-		48160	
	Total Material Component			130
	Total for 8th year Maint Work / Ha			48290

9th Year maintenance of Plantation

S.No	Particulars of works	Period	Labour(mo)	Material cost(Rs.)
1	Fire protection (Fire watcher)	Jan-Mar	30	
2	Mulching and repairing of fench etc	Dec-May	5	
6	Other contingencies			145
	Total Labour Component @ Rs 1651		57785	
	Total Material Component			145
	Total for 9th year Maint Work / Ha			57930

10th Year maintenance of Plantation

S.No	Particulars of works	Period	Labour(mo)	Material cost(Rs.)
1	Fire protection (Fire watcher)	Jan-Mar	30	
2	Mulching and repairing of fench etc	Dec-May	5	
6	Other contingencies			165
	Total Labour Component @ Rs 1981		69335	
	Total Material Component			165
	Total for 10th year Maint Work / Ha			69500

Approved.

[Signature]
21/10/22

[Signature]
DIVISIONAL FOREST OFFICER

ESTIMATE FORM Year: 2021-2022
FOREST DIRECTORATE, WEST BENGAL, KALIMPONG DIVISION

Compensatory Afforestation against Diversion of 0.0144 ha of forest land for setting up e-node B (Mobile Tower) Tower at Mongpong-10 Compartment under the jurisdiction of Kalimpong Forest Division District Kalimpong.

Nature of Works :: Erection of Elephant proof power fencing

SL	Description of Item	Qty	Rate	Unit	Amount
1	Energizer Super 600 (Make -Ashish Enterprise)	1	28000.00	no.	28000.00
2	Solar PV Module 12V X 80W Solar, Maintenance free solution for permanent fencing. 12V X 80 W solar Pv module to charge the 130 Ah battery.(Make-TATA)	1	6000.00	no.	6000.00
3	Battery 12V 100 Ah(Make Exide with 5 years warrentee)	1	12000	no.	12000.00
4	Lightening Diverter kit,helps divert lightening from the fence to earth saving the Energizer in most cases and increases shockbility.	1	1700.00	set	1700.00
5	Super Earth Kit-Augar a hole 1 metre deep and 100 mm (4") in diameter in moist area. Place stainless steel rod in center of hole and drive 50 mm in to ground. Mix bentonite and salt and pour mixture into hole around rod. Top up hole with coarse sand or gravel. water well. Connect s/ steel rod 0 energizer and test earth. if inadequate install another earth kit 10 metres away.	2	2210.00	set	4420.00
6	Digital Volt Meter : DVM (Imorted), pocket size 66 mm X 1.36 mm (3 1/2" X 5 1/4") helps trance to fence line short - circuit and faults powered by one 9 volt battery displays fence voltage in 100 volt increments under 10 KV displays voltage from 10 KV to 15 KV in 1000 volts increments activated when fence pluse is detected auto run display to show low battery condition, earth stake for easy of ground connection, improved temperate stability, water resistant etc (Make Ashish Enterprises Gallager etc)	1	4000.00	No.	4000.00
7	Double insulated wire heavily hot dip galvanized cable extrea long life increased conductivity ideal for bending wire easy to handle	25	85.00	mtr	2125.00
8	Neon Tester, 5 nos indicator lights show approximate voltage reading, Excellent greater than 4800 volt. Good 3800 volt to 4800 volt. Fair 2500 volt to 3800 volt. Poor 1800 volt to 2500 volt. Very poor 1000 volt to 2800 volt. No lilghts less than 1000 volts.	1	980.00	no.	980.00
9	Tool kit, inculdes, spanner, wire Twisting tools, permanent wire tightner handle etc.	1	1120.00	set	1120.00
10	1/2" P.V.C. flexible pipe for protection double insulated wire heavily hot dip galvanized wire	25	12.00	mtr	300.00
11	Connrner Post 2500 mm X 50 mm with support post 2500 mm X 25 mm pipe Galvaxized / Epoxy coated with braket.	10	2800.00	stes	28000.00
12	Intermediate Post 2500 mm X 25 mm X 25 mm X 3 mm T section or L angle Galvaxized / Epoxy coated.	30	470.00	nos.	14100.00

Approved.

[Signature]
28/11/2022

DIVISIONAL FOREST OFFICER
 Kalimpong Forest Division
 Kalimpong

13	5.1. wire heavily hot dip galvanized high carbon high tensile confirming to international specification extra long life increased conductivity ideal for fencing wire easy to handle	50	145.00	kg	7250.00
14	Super Strain Insulator large tracking distance for minimum poer leakage. Made from super strength, UV resistant glass filled polyester recommended for all lensions of fence, ensure drain is from cnetre of insulator when tying suitable for long strians of fence.	30	40.00	nos.	1200.00
15	P.P. Reel Insulator made form high density, sunlilght resistant polypropylene plastic tapered hole at the certre allows quick run off of rain water U.V. resistant used in all juction of iron structure fence and earth line etc.	200	15.00	nos.	3000.00
16	Atlas / Permanent Wire Tightner, Strong, lighthouse, rust resistant construction. The lager number clip position allow correct wifre tensions to be obtained (Make Ashish Enterprises / Gallagher etc)	50	100.00	nos.	5000.00
17	Permanent Tension Spring, eliminates regular tensioning helps fence with stand loads and sudden pressure also tensioning short lingths of fence use with high tensile wire etc.	50	320.00	nos.	16000.00
18	Joint Clamp used in all section for jumber connection etc.	50	9.00	nos.	450.00
19	Galvanized steel rope or cimbanation of rope and spring for length geater than 3 mtrs can be used on up to 3 mtrs (10.5 ft) gateway without over standing. Insulator gate handles has large protective shields and a heavy galvanized hook. Retracts to hanging position 5.5 ntrs (21.5 ft) kit include insulated gate handles, insulated gate spring anchor and insulated hook receptact.	2	1350.00	set	2700.00
20	Warning Sings: Suffcient number of warning signs has to be placed all along the fence as per statutory regulations, warning signs are provided in local languages apart from hindi and english, they are made to specified demension and colour.	10	45.00	each	450.00
21	14 SWG G.I. wire heavily hot dip galvanized extra long life increased conductivity ideal for bending wire easy to handle	10	148.00	kg	1480.00
22	Post Protection / Toupee for Elephant	60	100.00	set	6000.00
23	Instaillation / Labour Charges including 1st year maintenance				20000.00
24	2nd Year Maintenance				20000.00
25	3rd Year Maintenance				20000.00
	Contengency				3000.00
	Total amount				209275.00
	GST@18%			18%	37669.50
	Grand Total				246944.50
Say					246945.00

Divisional Forest Officer,
Kalimpong Forest Division.

Approved.

[Signature]
24/11/2022
Chief Conservator of Forests