

CA Proposal to allow execution in Forest Land, 0.58Ha, In Favour of Reliance Jio Infocomm Ltd. From Upper Tendu-Today Tangta Kasmal along the NHAI road from Jaldhaka Bridge to Khunla More till Kumani More.

Sl No	Particulars of Work	Ha	@	Amount(Rs)
1	Advance Work	0.24	35274	8,466
2	Creation Work	0.24	110916	26,620
3	SMC work @ 15% of Creation Amount	0.24	16637.4	3,993
4	1st Year Maint Work	0.24	56230	13,495
5	2nd Year Maint Work	0.24	46004	11,041
6	3rd Year Maint Work	0.24	36989	8,877
7	4th Year Maint Work	0.24	39852	9,564
8	5th Year Maint Work	0.24	40808	9,794
9	6th Year Maint Work	0.24	33590	8,062
10	7th Year Maint Work	0.24	40235	9,656
11	8th Year Maint Work	0.24	48290	11,590
12	9th Year Maint Work	0.24	57930	13,903
13	10th Year Maint Work	0.24	69500	16,680
15	Supply of Base Unit Material of Construction Solar Power Fencing			139,927
16	Supply of Variable item Power Fencing			163,916
17	Supply of Labour, material Transportation and Installing of Power Fencing			99,889
Total				555,473

Rs (Five lakh fifty five thousand four hundred seventy three) Only


Divisional Forest Officer
Kalimpong Forest Division

Countersigned


Chief Conservator of Forests
Hill Circle, West Bengal

CA Proposal to allow execution in Forest Land, 0.58Ha, in Favour of Reliance Jio Infocomm Ltd. From Upper Tendu-Today Tangta Kasmal along the NHAI road from Jaldhaka Bridge to Khunla More till Kumani More.

Spacing= 2 m X 2m

Species : Me

CA Area under Kalimpong Forest Division

Sl no	Range	Beat	Block/Comptt	Area in Ha
1	Jaldhaka	khumani	khumani-5	0.24Ha
Total				0.24Ha

(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,foraking,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,foraking, hardening,	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	Apr-May	8	
12	Filling of pits with application of organic manures,biofertilizers and biocontrol agents	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 fireline-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


 DIVISIONAL FOREST OFFICER
 Kalimpong Forest Division
 Kalimpong

1st year maintenance of Plantation

S.No	Particulars of works	Period	Labour(m)	Material cost(Rs.)
1	Repair of Barbed wire fencing with alternate bamboo and Iron posts in plains and	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	11779
	Total Material Component			56230
	Total for 1st year Maint Work / Ha			56230

2nd Year maintenance of Plantation

S.No	Particulars of works	Period	Labour(m)	Material cost(Rs.)
1	Repair of Barbed wire fencing with alternate bamboo and iron posts in plains and	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	3962
	Total Material Component			3962
	Total for 2nd year Maint Work / Ha			46004

3rd Year maintenance of Plantation

S.No	Particulars of works	Period	Labour(m)	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(m)	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


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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	212
6	Other contingencies			
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	165
6	Other contingencies			
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	125
6	Other contingencies			
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	130
6	Other contingencies			
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	145
6	Other contingencies			
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	165
6	Other contingencies			
Total Labour Component @ Rs 1981			69335	
Total Material Component				165
Total for 10th year Maint Work / Ha				69500


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

Nature of Work : Supply of Base Unit Material for Construction Solar Power Fencing

Sub: Proposal to allow execution in Forest Land, 0.58Ha, In Favour of Reliance JIo Infocomm Ltd. From Upper Tendu-Today Tangta Kasmal along the NHAI road from Jaldhaka Bridge to Khunia More till Kumani More.

Sl no.	Description	Qty	Rate (RS)	Unit	Amount
SUB- HEAD-I (BASE UNIT) Power Fencing					
1	Energier super 600. Energy output voltage 9kv peak no load .peak output energy 4.0 Joules at 500 ohms, limited t02.5 J in group mode , pulse rate locked at 0.9 hz . power consumption 12volt. Energier on/ off500ma/ 28ma (average).	1	28000.00	No	28000.00
2	Solar PV module 12v x 80w solar. Maintence free solution for permanent fencing 12pv x 80w solar ov module to charge the 130ah battery.	1	6000.00	No	6000.00
3	Battery 12pv 100ah	1	22000.00	No	22000.00
4	Lighting driverter kit, helps drivert lighting from the fence to earth saving the energiger in most castes and increases shockbiliby .	1	1700.00	set	1700.00
5	Super earth kit Auger a hole 1 meter deep and 100mm (4") in diameter in moist area . place stainless steel rod in center of hole and drive 15mm x ground . mix bintonait and soft and pour mixture x ho/e around rod -top of hole with coars sand of	10	2210.00	set	22100.00
6	Digital volt miter DVM poket size 66mm x 1.36mm (3/12" x 5 1/2)helps trance to fence line short , circuit and failut powered by one 9vo(t battery display fence volts in 100volt increments under 10kv display fence vott from 10kv to 15kv in 1000volt increment active ehen fence plus its detecated auto run display to show low battery condition earth stake for easy of ground connection improved temperate stability . water resistanc etc).	1	4000.00	No	4000.00
7	Double Insulator wire heavily dip galvanized cable extra longe life increased conductzivity ideal for bending wire esay to handle	100	85	mtr	8500.00
8	Neon tester , 5neon Indicator light show approximate voltage reading granter than 4800 volt good 3800volt 4800vott fair 2500volt to 3800vott .poor 1800vo\t to 2500valt very poor	1	980	No	980.00
9	Tool kit includes spanner , wire twisting tool permanent wire tighter etc.	1	1120.00	set	1120.00
10	1/2 pv flexibile pipe for protection double insulated wire heavily hot dip galvanized wire	100	12	mtr	1200.00
11	1.5"20 ft length Iron Post	10	1200	No	12000.00
12	PVC Pipe	7	90	Kg	630.00
13	Cement	6	400	Bag	2400.00
14	Sand & Stone				5000.00
15	P.P reel Insulator made from high density, sunlight resistant ppypropylene plastic tapered hole at the centre allows quick run off of rain8n water u.v resistant used in all junction of Iron structure, fence and earth line etc.	300	15	Nos	4500.00
Total					120130.00
GST @ 12%					14415.60
Total with GST					134545.60
Add 1% LABOUR CESS					1345.46
Add 3% Contingency					4036.37
Grand Total					139927.42
Or Say					139927.00

Certified that all rate quoted are as per Schedule of Rate or existing market rate


Divisional Forest Officer
Kalimpong Forest Division

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

Nature of Work : Supply of Variable Item Power Fencing

Sub: Proposal to allow execution in Forest Land, 0.58Ha, in Favour of Reliance Jio Infocomm Ltd. From Upper Tendu-Today Tangta Kasmal along the NHAI road from Jaldhaka Bridge to Khunia More till Kumani More.

Sl no.	Description	Qty	Rate (RS)	Unit	Amount
1	Corner post 2500mm x 50mm with support post 2500mm x 25mm pipe galvanized/ epoxy coated with bracket.	13	2800.00	sets	36400.00
2	Intermediate post 2500mm x 25mm x 3mm T section or L angel galvanized / epoxy coated.	120	470	Nos	56400.00
3	H.T.G.I wire heavily hot dip galvanized high carbon high tensile conforming to international specification extra long increased conductivity idea for fencing wire easy to handle	330	145	kg	47925.00
Total					140725.00
GST @ 12%					16887.00
Total with GST					157612.00
Add 1% LABOUR CESS					1576.12
Add 3% Contingency					4728.36
Grand Total					163916.48
Or Say					163916.00

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Divisional Forest Officer
Kallimpong Forest Division

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

Nature of work: Supply of Labour, Material Transportation and Installation of Power Fencing

Sub: Proposal to allow execution in Forest Land, 0.58Ha, in Favour of Reliance Jio Infocomm Ltd. From Upper Tendu-Today Tangta Kasmal along the NH4J road from Jaldhaka Bridge to Khunla More till Kuman More.

Sl no.	Description	Qty	Rate (RS)	Unit	Amount
1	Post protection/Toupee for elephant	75	100	Set	7500
2	installation charges (labour charges)				
	Technical skill electrician	12	720	Nos	8640
	Helper as semi skill	11	430	Nos	4730
	Labour as unskill	28	300	Nos	8400
3	Super strain insulator large tracking distance for minimum power leakage . made from super strength, UV resistance glass filled polyester recommended for all tensions offence, ensure drain from centre of insulator when typing suitable for long straining of fence .	75	40	Nos	3000
4	Atlas / permanent wire tightner, strong * lightweight , rust resistant construction. The large number clip positions allow correct wire teation to be obtained	60	100	Nos	6000
5	Permanent tensions spiring , eliminates regular tensioning helps fence with stand loads and sudden pressure also tensioning short lengths of fence us with high wire its.	60	320	Nos	19200
6	Joint clamp used in all section for jumper connection etc.	120	9	Nos	1080
7	Galvanized steel rope or and spiring for length greater than 3mtr can be used on up to 3mtr (10.5ft) gateway without over standing. Insulator gate handâe has large protective shields and a heavy galvanized hook . retract to hanging position 5.5mtrs (21.5ft) kit include insulated gate handles insulated gate spiring anchor and hook.	6	1350	set	8100
8	Warning sings : sufficient number of warning sing has to be placed all along the fence as per statutory regulation, warning sings are provide in local languages apart from hindi and English they are made to specified dimensions and color.	10	45	each	450
9	14 SWG wire heavily hot dip galvanized extra long life.	20	148	Kg	2960
10	Annual maintenance charge for lyars				71310
11	Transport for Material for ati material and Labour			Ls	9829
Total					99889

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