

Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer
Baikunthapur Division
Rabindranagar, P.O. Rabindra Sarani, Siliguri - 734006

No. 735/13-14

Dated, Siliguri, the 05.04.2018.

From: The Divisional Forest Officer
Baikunthapur Division

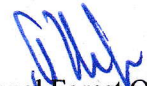
To: The Divisional Forest Officer
Birbhum Division

Sub: Estimate for Compensatory Afforestation at Purba Totgaon over 106.795 Ha in lieu of the proposal for establishment of Open Cast Coal Mines at Gangaramchak-Bhadulia in favour of WBPDCCL.

Ref: Addl. PCCF/ CAMPA & Nodal Officer, FC Act, 1980 Letter No. 12125/L</2L-1(1)/2006 dated 16.02.2018.

In accordance with the direction conveyed through the letter referred to herein above, the estimate for Compensatory Afforestation Plantation for over 106.795 Hectares to be set up at Purba Totgaon Mouja is attached herewith for doing the needful from your end. As desired the Estimate for Advance Work, Creation and 10 years Maintenance is submitted.

This is for your kind information and taking necessary action.


Divisional Forest Officer
Baikunthapur Division


Enclosure: As stated.

No. 735/28-14

Dated, Siliguri, the 05.04.2018

Copy forwarded for information & taking necessary action to: -

1. The Additional Principal Chief Conservator of Forests, CAMPA & Nodal Officer, Forest Conservation Act, 1980.
2. The Chief Conservator of Forests, Northern Circle, West Bengal


Divisional Forest Officer
Baikunthapur Division

FOREST DIRECTORATE WEST BENGAL, BAIKUNTHAPUR DIVISION

RECORD OF SANCTION WORKS

1. Name of the Range & Beat	: BAIKUNTHAPUR FOREST DIVISION
2. Nature of works & Location	: COMPENSATORY AFFORESTATION, PURBA TOTGAON MOUJA, JALPAIGURI
3. A) Head of Service	:
B) Allotment Amount	Rs.
C) Sanctioned Amount	Rs.
D) Balance Amount Available	Rs.
4. Initial of Checking Officer	:
5. Sanctioned Amount	Rs.

Divisional Forest Officer, Baikunthapur Division

Item No.	PARTICULARS OF WORKS	Qty.	Unit	Rate	Amount	Remarks
	Estimate for creation of Compensatory Afforestation plantation at Purba Totgaon Mouja, Jalpaiguri over 106.795 ha. Including nursery works and 10 years maintenance.					
						APCCF CAMPA 's ref. No.
						12125/L-1 (1)/2006, dated 16/02/2018
	ADVANCE WORK :- (Field nursery works-)					
	A. Labour component :-					2500 SEEDLING PER HECTOR + 40% OF 2500 FOR CASUALTY AND INFILLING VACANCY = 3500 SEEDLING PER HECTOR
1	Cleaning and leveling of nursery site-	1.00	MD	226.00	226.00	
2	Preparation of mother bed and tube bed of size 1.20 m	2.00	MD	226.00	452.00	
3	Sowing seeds in mother bed-	1.00	MD	226.00	226.00	
4	Filling polythene tube with cowdung manure and good earth mixture (1:3)	6.00	MD	226.00	1356.00	
5	Pricking out of seedlings and put in to poly pot & dibbling of seeds in poly pot -	2.00	MD	226.00	452.00	
6	Sorting shifting of seedlings-	5.00	MD	226.00	1130.00	
7	Weeding cleaning & application of bio fertilizer etc from January to July over 7 months.-	3.00	MD	226.00	678.00	
8	Watering seedlings from January to March over 3 months.--	5.00	MD	226.00	1130.00	
9	Making barbed wire fencing to the nursery area-	15.00	MD	226.00	3390.00	
		40.00	MD	226.00	9040.00	
	B. Material component :-					
1	Supply of water can, water pipe, bucket etc.-	100	1 ha		100.00	
2	Cost of seeds- (Khair, Sissoo, Amlaki)	3000	1 ha		3000	
3	Supply of cowdung-1 cu.m.	350	1 ha		350	
4	Supply of insecticide etc-	250	1 ha		250	
5	Collection of good earth for polypot filling-	200	1 ha		200	
6	Supply of polypot over 2.50 kg 4" dia & 8" long pot	250	1 ha		250	
7	Fencing materials- Barbed wire, GI welded (0.75m x	1700	1 ha		1700	
8	Contengency-	650	1 ha		650	
9	Arrangement for water by digging ring well/tube well over head water tank, pump set and pipe line etc-	1500	1 ha		1500	
		8000	1 ha		8000.00	

PARTICULARS OF WORKS		Qty.	Unit	Rate	Amount	Remarks
ADVANCE WORK :- (PLANTATION WORKS)						
C. Labour component :-						
1	Survey and demarcation of the plantation area including GPS survey by technical person & Preparation of regeneration plan and GPS map - -	3	MD	226.00	678.00	
2	Cleaning and burning or removing debris from the plantation area-	25	MD	226.00	5650.00	
3	Alignment of planting lines, stacking the planting pits position including collection of stacking sticks-	7	MD	226.00	1582.00	
4	Digging planting pits of size 0.45 m X 0.45 m X 0.45m & 2500 Nos planting pit per hector-	45	MD	226.00	10170.00	
		80	MD	226.00	18080.00	
CREATION WORK :- (NURSERY WORKS)						
1	Pricking out of seedlings and put in to poly pot & dibbling	2.00	MD	226.00	452.00	
2	Sorting shifting of seedlings-	5.00	MD	226.00	1130.00	
3	Weeding cleaning & application of bio fertilizer etc from	3.00	MD	226.00	678.00	
4	Watering seedlings from April to July over 4 months.--	6.00	MD	226.00	1356.00	
		16.00	MD	226.00	3616.00	
CREATION WORK :- (PLANTATION WORKS)						
1	Filling up of planting pits with dug up pulverized earth & cow dung manure mixture (1:3) including mixing of earth and cow dung manure -	40	MD	226.00	9040.00	
2	Carriage of seedling from Nursery to plant site-	20	MD	226.00	4520.00	
3	Transplanting of potted seedlings including carriage from field stock site-	30	MD	226.00	6780.00	
4	Making inspection path-	4	MD	226.00	904.00	
5	Making fire lines 1.50 m wide all along the periphery and 1.20 m with inside plant.-	9	MD	226.00	2034.00	
6	Application of insecticide to planted seedlings-	3	MD	226.00	678.00	
7	1st weeding cleaning and mulching including application of Organic manure & Vacancy filling with potted seedlings- - JULY,	30	MD	226.00	6780.00	

Sl. No.	PARTICULARS OF WORKS	Qty.	Unit	Rate	Amount	Remarks
8	2nd weeding cleaning and mulching including application of Organic manure & Vacancy filling with potted seedlings - AUGUST	25	MD	226.00	5650.00	
9	3rd weeding cleaning and mulching including application of Organic manure -& Vacancy filling with potted seedlings-- SEPTEMBER	25	MD	226.00	5650.00	
10	4th weeding cleaning and mulching -- December	20	MD	226.00	4520.00	
11	Making barbed wire fencing around the plantation area -	18	MD	226.00	4068.00	
12	Watering to planted seedlings two times - during January & March	26	MD	226.00	5876.00	
13	Watch and word the plantation July to March 9 month-	23	MD	226.00	5198.00	
		273	MD	226.00	61698.00	P.Ha.
D.	Material Component :-					
1	Insecticides / hormones-	1	Ha.	1500.00	1500.00	
2	Organic manure-	1	Ha.	2500.00	2500.00	
3	Signages-	1	Ha.	100.00	100.00	
4	Fencing materials- Barbed wire, RCC post-	1	Ha.	15000.00	15000.00	
5	Supply of cow dung manure including carriage up to plantation site-	1	Ha.	1500.00	1500.00	
6	Making tube well and arrangement for pipe , pump set including fuel etc for watering two times during the year-	1	Ha.	4000.00	4000.00	
7	Contengency-	1	Ha.	368.00	368.00	
		1	Ha.	24968.00	24968.00	
E.	Infrastructure :-					
1	Construction of RCC watch tower-	1	No	250000	250000.00	
2	Making tube well for at watch tower-	1	No	25000	25000.00	
3	Construction of pucca toilate -	1	No	50000	50000.00	
4	Making energizer fencing for 50 m one complete set-	1	set	200000	200000.00	
					525000.00	

Item No.	PARTICULARS OF WORKS	Qty.	Unit	Rate	Amount	Remarks
F.	10 years maintainence :-					
	1st years maint :-					
	Labour component :-					
1	1st weeding cleaning and mulching including application of Organic manure & Vacancy filling with potted seedlings- - JULY,	30	MD	226.00	6780.00	
2	2nd weeding cleaning and mulching including application of Organic manure & Vacancy filling with potted seedlings - AUGUST	25	MD	226.00	5650.00	
3	3rd weeding and mulching - SEPTEMBER	20	MD	226.00	4520.00	
4	4th weeding and mulching - DECEMBER	20	MD	226.00	4520.00	
5	Watering to planted seedlings two times - during January & March	24	MD	226.00	5424.00	
6	Watch and word the plantation April to March 12	30	MD	226.00	6780.00	
7	Maintanence of barbed wire fencing-	20	MD	226.00	4520.00	
8	Maintanence of nursery for one year old seedlings for infilling vacancy including watering weeding cleaning sorting shifting and watch and word for one year-	31	MD	226.00	7006.00	
		200	MD	226.00	45200.00	
	Material component :-					
9	Insecticides / hormones-	1	Ha.	1500.00	1500.00	
10	Organic manure-	1	Ha.	2500.00	2500.00	
11	Arrangement for pipe , pump set including fuel etc for watering two times during the year-	1	Ha.	4500.00	4500.00	
12	Contengency-	1	Ha.	500.00	500.00	
					9000.00	

Item No.	PARTICULARS OF WORKS	Qty.	Unit	Rate	Amount	Remarks
	2nd years maintenance :-					
	Labour component :-					
1	1st weeding cleaning and mulching including application of Organic manure & Vacancy filling with potted seedlings- - JULY	25	MD	226.00	5650.00	
2	2nd weeding cleaning and mulching including application of Organic manure & Vacancy filling with potted seedlings - AUGUST	20	MD	226.00	4520.00	
3	3rd weeding and mulching - SEPTEMBER	18	MD	226.00	4068.00	
4	4th weeding and mulching - DECEMBER	16	MD	226.00	3616.00	
5	Watch and word the plantation April to March 12	30	MD	226.00	6780.00	
6	Maintanence of barbed wire fencing-	20	MD	226.00	4520.00	
7	Maintanence of nursery for two years old seedlings for infilling vacancy including watering weeding cleaning sorting shifting and watch and word for one year-	21	MD	226.00	4746.00	
		150	MD	226.00	33900.00	
	Material component :-					
8	Insecticides / hormones-	1	Ha.	1500.00	1500.00	
9	Organic manure-	1	Ha.	2500.00	2500.00	
10	Contengency-	1	Ha.	500.00	500.00	
		1	Ha.	4500.00	4500.00	
	3rd year maintenance :-					
1	1st weeding cleaning and mulching including application of chemical fertilizer (DAP) - JULY,	25	MD	226.00	5650.00	
2	2nd weeding cleaning and mulching - AUGUST	20	MD	226.00	4520.00	
3	3rd weeding and mulching - OCTOBER	18	MD	226.00	4068.00	
4	Watch and word the plantation April to March 12 months-	30	MD	226.00	6780.00	
		93	MD	226.00	21018.00	
	Material component :-					
5	Chemical fertilizer (DAP) - @ 5 gm/seedlings	1	ha.	2500.00	2500.00	

Item No.	PARTICULARS OF WORKS	Qty.	Unit	Rate	Amount	Remarks
Si	Particular of works :-	Labour			Material	
1	Advance Work-Field nursery works :-	40	MD	9040.00	8000.00	
2	Advance Work-Plantation creation works :-	80	MD	18080.00	0.00	
3	Creation Work-Field nursery works :-	16	MD	3626.00	0.00	
4	Creation Work-Plantation creation works :-	273	MD	105090.00	24968.00	
3	1st year maintenance :-	200	MD	45200.00	9000.00	
4	2nd year maintenance :-	150	MD	33900.00	4500.00	
5	3rd year maintenance :-	93	MD	21018.00	2500.00	
6	4th year maintenance :-	93	MD	21018.00	0.00	
7	5th year maintenance :-	55	MD	12430.00	0.00	
8	6th year maintenance :-	35	MD	7910.00	0.00	
9	7th year maintenance :-	20	MD	4520.00	0.00	
10	8th year maintenance :-	20	MD	4520.00	0.00	
11	9th year maintenance :-	20	MD	4520.00	0.00	
12	10th year maintenance :-	20	MD	4520.00	0.00	
		1115	MD	251990.00	48968.00	
Labour component :- Material component :-			Rs	251990.00	Per hector	
			Rs	48968.00	Per hector	
TOTAL ESTIMATED COST :-			Rs.	300958.00	Per hector	
300958.00	Per hector	X	106.795	he	Rs.	32140809.61
Add infrastructure development cost :-					Rs.	525000.00
TOTAL :-					Rs.	32665809.61
Sanctioned No. : Head of Service. : Amount Sanctioned. :						
No. <u>102-JG-2</u> Dated <u>4/4</u> / 2018 Submitted to the D.F.O./ Baikunthapur Division for favour of his kind pre-audit sanction.					Forwarded to the Range Officer, Targhera Range. D.F.O./ Baikunthapur Division (With date)	

[Signature]
 Forest Range Officer
 Baikunthapur Division