



**Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer
Kangsabati North Division**

Raghabpur More, P.O. & Dist.- Purulia, PIN-723101

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Memo No. 4394/8-22

Dated, Purulia, the 13/08/2019

From : The Divisional Forest Officer
Kangsabati North Division
Purulia

To : The Additional Principal Chief Conservator of Forests, CAMPA
& Nodal Officer, FCA 1980
Directorate of Forests, Government of West Bengal,
Aranya Bhawan, Block LA-10A, Sector III
Salt Lake, Kolkata 700098

Sub : Estimate for Compensatory Afforestation in Kangsabati North Division, Purulia.

Sir,

With reference to the aforementioned subject, the undersigned hereby submits you the estimate of **Rs. 11,15,600.00 (Rupees eleven lakh fifteen thousand six hundred only)** for taking up compensatory afforestation and allied works in Compensatory Afforestation Land over 1.1 Ha at Mouza Dandua, JL No 23 under Raghunathpur Range of Kangsabati North Division against forest land diversion over 0.5019 Ha for Jagdishpur-Haldia-Bokaro-Dhamra Pipeline Project to be done by GAIL (India) Limited.

Estimate for Compensatory afforestation over 1.1 Ha at Mouza Dandua, JL No 23 under Raghunathpur Range of Kangsabati North Division using Miscellaneous Species		
Sl. No.	Item of Works	Amount (in Rs.)
1	Demarcation with boundary pillars	Rs. 9,200.00
2	Afforestation works	Rs. 949,700.00
3	SMC Works	Rs. 156,700.00
	Grand Total	Rs. 1,115,600.00

(Or say, Rupees eleven lakh fifteen thousand six hundred only)

This is for your kind information and taking necessary action.

Divisional Forest Officer
Kangsabati North Division
Purulia

Enclo : Detailed estimate of item no 1 and 2,3

Memo No. 4394/8-22

Dated, Purulia, the 13/08/2019

Copy forwarded for information to:

1. The Chief Conservator of Forests, South West Circle, West Bengal
2. The General Manager (Construction), GAIL (India) Limited

Divisional Forest Officer
Kangsabati North Division
Purulia

Estimate for Boundary Demarcation and Pillaring

Compensatory afforestation over 1.1 Ha at Mouza Dandua, JL No 23 under Raghunathpur Range of Kangsabati North Division using Miscellaneous Species

Sl. No.	Particulars of Works	Quantity of Works	Unit	Rate	Amount
1	Demarcation, Survey, GPS Location & construction of 0.375X0.375X1.2 m RCC boundary pillar at CA land	4	Nos.	Rs. 2,000.00	Rs. 8,000.00
Total :					Rs. 8,000.00
	Add GST @12%				Rs. 960.00
	Add Labour CESS @1%				Rs. 89.60
	Sub Total				Rs. 9,050.00
	Add contingency upto 3%				Rs. 150.00
	Grand Total				Rs. 9,200.00

(Or say, Rupees Nine Thousand Two Hundred Only)

Prepared By :



[Shri B. Dutta, WBFS]
Assistant Divisional Forest Officer
Kangsabati North Division
Purulia

Submitted By :



Divisional Forest Officer
Kangsabati North Division
Purulia

Rate for Nursery Site development & preparation						
Compensatory afforestation over 1.1 Ha at Mouza Dandua, JL No 23 under Raghunathpur Range of Kangsabati North Division						
Raising Miscellaneous Species						
Sl. No.	Description of Work		Quantity of Work	Unit	Rate	Amount
1	Supply of Root Trainer		2000	Nos	Rs. 5.00	Rs. 10,000.00
2	MS Stand repairing and Priming, Painting		230	nos	Rs. 160.00	Rs. 36,800.00
3	Extension of Electric line		LS			Rs. 25,000.00
4	Nursery miscellaneous tools	Supply of Jhari for watering	10	nos		Rs. 15,000.00
		Supply of Bamboo basket	10	nos		
		Supply of	4	nos		
		Supply of earthen pitcher	6	nos		
		Supply of Plastic Rope	5	kg		
		Supply of Axe	4	nos		
		Supply of Pick Axe	4	nos		
		Supply delivery pipe	8	bundle		
5	Grass cutter		1	nos	Rs. 20,000.00	Rs. 20,000.00
6	Supply of Agronet		300	m2	Rs. 80.00	Rs. 24,000.00
	Total					Rs. 130,800.00
	Add GST @12%					Rs. 15,696.00
	Add Labour CESS @1%					Rs. 1,464.96
	Sub Total					Rs. 147,960.96
	Add contingency not exceeding 3%					Rs. 3,839.00
	Grand Total					Rs. 151,800.00

(Or say, Rupees one lakh fifty one thousand eight hundred eighty five only)

Prepared By :

[Shri B. Dutta, WBFS]

Assistant Divisional Forest Officer
Kangsabati North Division
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Submitted By :



Divisional Forest Officer
Kangsabati North Division
Purulia

Estimate for Nursery Advance Work (Raising of Tall Seedlings)

**Compensatory afforestation over 1.1 Ha at Mouza Dandua, JL No 23 under Raghunathpur Range of Kangsabati North Division
Raising Miscellaneous Species**

Sl No	Description of Works	Quantity of Works	unit	Rate	Amount
	Seedlings Preparation				
1	Raising Tall Seedlings in the nursery (Year 1)				
a	Cost of making dry and sieved leaf Compost		Rs.	4.66	
b	Cost of Coarse Sand		Rs.	1.68	
c	Cost of Burnt Rice Husk/CDM/Vermicompost etc.		Rs.	1.96	
d	Preparation of potting mixture		Rs.	0.45	
e	Disinfection, filling and setting of Root Trainers on Stands		Rs.	0.67	
f	Collection of quality Seeds including collection and carriage		Rs.	0.56	
g	Drying, Sorting and pretreatment of seeds and sowing in Hygropits		Rs.	0.45	
h	Pricking out and transplanting of seedlings in Root Trainers		Rs.	0.89	
i	Supply of insecticides, fungicides, micronutrients, disinfectants etc.		Rs.	0.32	
j	Supply of Seiving nets, water pipes/ Can etc.		Rs.	0.15	
k	Watering upto planting time including watering in Hygropits and Spraying insecticides.		Rs.	2.68	
l	Sorting- Shifting, weeding- Cleaning as and when required.		Rs.	0.52	
	Cost per seedling		Rs.	15.00	
	Total	1800	Nos.	Rs. 15.00	Rs. 27,000.00
	Maintaining one year old seedlings of local species upto 2 years old.				
	Maintaining tall seedling upto 2 years including transplanting of the supplied seedlings to large poly bags, including supply of poly bags, potting media, compost and seedlings maintenance in the nursery by watering, weeding of pots, shifting, insecticide spraying time to time from December, 2019 to June, 2019 by engaging labourers	1800	Nos.	Rs. 120.00	Rs. 216,000.00
	Total				Rs. 243,000.00
	Add GST @12%				Rs. 29,160.00
	Add Labour CESS @ 1%				Rs. 2,721.60
	Sub Total				Rs. 274,881.60
	Add contingency not exceeding 3%				Rs. 7,100.00
	Grand Total (over 1 ha.)				Rs. 281,981.60
	Grand Total (over 1.1 ha):				Rs. 313,000.00

(Rupees three lakh thirteen thousand only)

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Estimate for Creation Works of Plantation

Compensatory afforestation over 1.1 Ha at Mouza Dandua, JL No 23 under Raghunathpur Range of Kangsabati North Division using Miscellaneous Species


Sl. No.	Particulars of Works	Quantity of Works	Unit	Rate	Amount
B	Creation works-				
1	Survey, demarcation of the area	1	Ha.	Rs. 750.00	Rs. 750.00
2	Advance works of field preparation by cleaning of thick bushes by cutting, up-rooting stumps of Lantana, Eupatorium, etc. removal of garbage by engaging labourers-	40	DL	Rs. 270.00	Rs. 10,800.00
3	Cutting cattle proof trench at the size 1.20+0.90m /2 x 1.50 m x 200 mt per ha.	315	m3	Rs. 122.00	Rs. 38,430.00
4	Aligning, stacking of pits, digging of pits of (0.60m+0.45m)/2 x 0.45m x 0.45m @ 1600 nos/Ha by engaging labourers	90	DL	Rs. 270.00	Rs. 24,300.00
5	Supply of Organic Manure	320	kg	Rs. 15.00	Rs. 4,800.00
6	Pit filling with pulverized soil and organic manure by engaging labourers	25	DL	Rs. 270.00	Rs. 6,750.00
7	Carriage of poly bagged seedlings from nursery to planting site including loading unloading	1600	Seedlings	Rs. 5.00	Rs. 8,000.00
8	Planting of poly bagged seedlings including head carriage from road side to pits by engaging labourers.	30	DL	Rs. 270.00	Rs. 8,100.00
9	Supplying of DAP for applying to the planted seedlings during mulching 3 times including carriage up to the field	160	Kg	Rs. 24.00	Rs. 3,840.00
10	i)1 st time cleaning mulching and applying organic manure by engaging labourers.	30	DL	Rs. 270.00	Rs. 8,100.00
	ii)2 nd time cleaning mulching.	25	DL	Rs. 270.00	Rs. 6,750.00
	iii)3rd time cleaning mulching and applying organic manure	20	DL	Rs. 270.00	Rs. 5,400.00
11	Cutting contour Trench of 0.45mt x 0.45mt x 5 mt, total 500mtr per ha. for moisture conservation by engaging labourers.	50	DL	Rs. 270.00	Rs. 13,500.00
12	Creating vegetative fencing around plantation area 400 m per Ha	400	mt	Rs. 50.00	Rs. 20,000.00
13	Engaging watcher for protection of the plantation from August'19 to March'20	30	DL	Rs. 270.00	Rs. 8,100.00
14	Creation of Fire Lines by engaging labourers-	20	DL	Rs. 270.00	Rs. 5,400.00
15	Watering during dry seasons	36	DL	Rs. 270.00	Rs. 9,720.00
Total :					Rs. 182,740.00
	Add GST @12%				Rs. 21,928.80
	Add Labour CESS @ 1%				Rs. 2,046.69
	Sub Total				Rs. 206,715.00
	Contingency @3%				Rs. 5,467.00
	Grand Total for 1 Ha				Rs. 212,182.00
	Grand Total for 1.1 Ha				Rs. 233,400.00

(Or say, Rupees two lakh thirty three thousand four hundred only)

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Estimate for Maintenance Works of Plantation over 10 years

Compensatory afforestation over 1.1 Ha at Mouza Dandua, JL No 23 under Raghunathpur Range of Kangsabati North Division using Miscellaneous Species

SL No.	Particular of Works	Quantity of Works	Unit	Rate	Amount
C	Maintenance work from MY 1 to MY 10				
1	1 st Year Maintenance-				
	i) Supplying of DAP for applying to the planted seedlings-	160	Kg	Rs. 24.00	Rs. 3,840.00
	ii) 1 st time cleaning mulching and applying fertilizer by engaging labourers	30	DL	Rs. 270.00	Rs. 8,100.00
	iii) 2 nd time cleaning mulching and applying fertilizer by engaging labourers	25	DL	Rs. 270.00	Rs. 6,750.00
	iv) 3 rd time cleaning mulching by engaging labourers	20	DL	Rs. 270.00	Rs. 5,400.00
	v) Engaging watcher for protection of the Plantation from throughout the year	40	DL	Rs. 270.00	Rs. 10,800.00
	vi) Fire line maintenance by engaging labourers	10	DL	Rs. 270.00	Rs. 2,700.00
	vii) Maintenance of C.P.T.	15	DL	Rs. 270.00	Rs. 4,050.00
	viii) Casualty infilling			LS	Rs. 4,500.00
	ix) Repair of vegetative fencing	5	DL	Rs. 270.00	Rs. 1,350.00
	Total :				Rs. 47,490.00
2	2 nd Year Maintenance-				
	i) Supplying of DAP	160	kg	Rs. 23.00	Rs. 3,680.00
	ii) 1 st time cleaning mulching applying fertilizer by engaging labourers	30	DL	Rs. 270.00	Rs. 8,100.00
	iii) 2 nd time cleaning mulching and applying fertilizer by engaging labourers	25	DL	Rs. 270.00	Rs. 6,750.00
	iv) Engaging watcher throughout the year	40	DL	Rs. 270.00	Rs. 10,800.00
	v) maintenance of C.P.T	15	DL	Rs. 270.00	Rs. 4,050.00
	vi) Fire line maintenance	10	DL	Rs. 270.00	Rs. 2,700.00
	Total :				Rs. 36,080.00
3	3 rd Year Maintenance				
	i) 1 st Cleaning mulching by engaging labourers	25	Nos.	Rs. 270.00	Rs. 6,750.00
	ii) 2 nd time cleaning, mulching by engaging labourers	15	DL	Rs. 270.00	Rs. 4,050.00
	iii) Fire line maintenance	10	DL	Rs. 270.00	Rs. 2,700.00
	iv) Engaging watcher	40	DL	Rs. 270.00	Rs. 10,800.00
	v) Maintenance of C.P.T	15	DL	Rs. 270.00	Rs. 4,050.00
	Total :				Rs. 28,350.00
4	4th year to 10th Year maintenance				
	i) Fire line maintenance	10	DL	Rs. 270.00	Rs. 2,700.00
	ii) Watch and ward	35	DL	Rs. 270.00	Rs. 9,450.00
	1 year maintenance cost				Rs. 12,150.00
	Total (7 year maintenance cost):				Rs. 85,050.00
	Total (1+2+3+4) :				Rs. 196,970.00
	Add GST @ 12%				23636.4
	Add Labour CESS @ 1%				Rs. 2,206.06
	Sub Total				Rs. 222,812.46
	Add Contingency @ 3%				Rs. 5,824.00
	Grand Total for 1 Ha				Rs. 228,636.46
	Grand Total for 1.1 Ha				Rs. 251,500.00

(Or say, Rupees two lakh fifty one thousand five hundred only)

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Estimate for SMC Works					
Compensatory afforestation over 1.1 Ha at Mouza Dandua, JL No 23 under Raghunathpur Range of Kangsabati North Division using Miscellaneous Species					
A. ESTIMATE FOR PROPOSED CONSTRUCTION BOX TRENCH OVER 10 HA					
Sl. No.	Particulars of Works	Quantity of Works	Unit	Rate (Rs)	Amount (Rs)
1	Box trench of 0.45mt x 0.45mt x 0.45mt for each Planting Pits for moisture conservation by engaging labourers over 10Ha.	500	DL	Rs. 270.00	Rs. 135,000.00
Add GST 12%					Rs. 16,200.00
Add labour Cess 1%					Rs. 1,512.00
Add contingency not exceeding 3%					Rs. 3,988.00
Grand Total					Rs. 156,700.00

(Or say, Rupees One lakh fifty six thousand seven hundred Only)

Prepared By :

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Abstract of Works
Compensatory afforestation over 1.1 Ha at Mouza Dandua, JL No 23 under Raghunathpur Range of Kangsabati North Division using Miscellaneous Species

Estimate		
Sl. No.	Item of Works	Amount (in Rs.)
1	Demarcation with boundary pillars	Rs. 9,200.00
2	Afforestation works	
a	Nursery Site development & preparation	Rs. 151,800.00
b	Nursery Advance works	Rs. 313,000.00
c	Plantation Creation works	Rs. 233,400.00
d	Maintenance MY 1 to MY 10	Rs. 251,500.00
	Sub Total :	Rs. 949,700.00
3	SMC Works	
a	Construction of Box Trench Over 10 Ha	Rs. 156,700.00
	Grand Total (1+2+3)	Rs. 1,115,600.00

(Or say, Rupees eleven lakh fifteen thousand six hundred only)



Divisional Forest Officer
Kangsabati North Division
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