

Government of West Bengal  
Directorate of Forest  
Baikunthapur Division

Estimate for Plantation of Compensatory Afforestation of Karmatritha Project  
under Rajganj, Jalpaiguri

❖ Area-0.06678 Ha , Compartment . -Dabgram 5, ,Beat-Adabari, Range  
Sarugarah,Mouza--Jangle Mahal, Species -Misc, Spacing- 2 x 2 mtr.  
❖ GPS Reading-2964069(N), 644774(E)

Sl No	Particulars of work	Qnty.	Unit	Rate	Amount
	Estimate is prepared for cost of doing following works in c/w the creation of plantation at DG-5 compartment under Adabari Beat,Sarugarah Range over 1.0834 Ha				
<b>A. Nursery works</b>					
<b>Labour Component :</b>					
1.	Cleaning, clearing bushes,jungle,throne etc for preparation of nursery site including removing debris	1.00	MD		
2.	Preparation of Mother Bed of size 5.0m x 1.20m with pulverized soil etc.	1.00	MD		
3.	Cost of preparation of polypot bed with bamboo edging and structure of shed	1.00	MD		
4.	Filling polythene tube with mixture of cow dung & good earth in 1:3 Ration and arrangements in bed properly over 2500 nos.	5.00	MD		
5.	Sowing, dibbling of seeds from mother bed and tube beds	1.00	MD		
6.	Pricking out of seedling from mother bed to tube beds including replacement of lost ones.	3.00	MD		
7.	Making nursery shed with bamoo,straw & local brush wood making	2.00	MD		
8.	Weeding cleaning and application of Insecticide etc.	2.00	MD		
9.	Watering over seedling and maintenance of seedlings.	8.00	MD		
10.	Sorting, Shifting and culling if seedlings 3 time over 2500 seedling	5.00	MD		
	<b>Total Labour Component :</b>	<b>29.00</b>	<b>MD</b>	<b>235.00</b>	<b>6815.00</b>
<b>Materials Component:</b>					
11.	Cost of supply of polythene tube 2 kg				300.00
12.	Cost of supply of different seeds				200.00
13.	Cost of supply of good earth				200.00
14.	Cost of supply of cow dung manure over 1 M3				350.00
15.	Insecticide				100.00
16.	Straw,bamboo,wire & rope, tin & watering can etc.LS				296.00
	<b>Total Materials Component:</b>				<b>1446.00</b>
	<b>Total Cost for Nursery</b>				<b>8261.00</b>
<b>B. Field works:-</b>					
<b>Labour Component :</b>					
1.	Survey and demarcation of the plantation area	2.00	MD		
2.	Cleaning,burning and removing of debris	10.00	MD		
3.	Alignment and stacking of pit at a spacing 2m x 2m	2.00	MD		




SlNo	Item	Qty	Unit	Rate	Amount
4.	Making inspection path	2.00	MD		
5.	Making Chain ling fencing with wooden post around the plantation area	25.00	MD		
6.	Cost of digging pits of standard size(0.45m x 0.45m x 0.30m)	24.00	MD		
7.	Filling up of plantation pits with dug up pulverized soil	20.00	MD		
8.	Hoeing the sowing line along the boundary of the plantation	2.00	MD		
9.	Carriage of seedling from nursery to plantation site	27.00	MD		
10.	Transplanting of potted seedling including carriage	22.00	MD		
11.	Application of insecticide to planted seedlings	2.00	MD		
12.	Infilling vacancy with potted seedlings	4.00	MD		
13.	Application of organic manure as per doses	5.00	MD		
14.	Making fire lines 1.50 m wide all along the periphery and 1.20m wide inside plant	4.00	MD		
15.	1 <sup>st</sup> year maintenance :- i) 1 <sup>st</sup> time weeding, cleaning & mulching with application of fertilizer & infilling vacancy ii) 2 <sup>nd</sup> time weeding, cleaning & mulching with application of fertilizer & infilling vacancy iii) 3 <sup>rd</sup> time weeding, cleaning & mulching with application of fertilizer & infilling vacancy iv) 4 <sup>th</sup> time weeding, cleaning & mulching with application of fertilizer & infilling vacancy v) 5 <sup>th</sup> time weeding, cleaning & mulching with application of fertilizer & infilling vacancy	14.00 12.00 10.00 8.00 6.00	MD MD MD MD MD		
16.	2 <sup>nd</sup> year maintenance:- i) 1 <sup>st</sup> time weeding, cleaning & mulching with application of fertilizer ii) 2 <sup>nd</sup> time weeding, cleaning & mulching with application of fertilizer iii) 3 <sup>rd</sup> time weeding, cleaning & mulching with application of fertilizer iv) 4 <sup>th</sup> time weeding, cleaning & mulching with application of fertilizer	14.00 12.00 10.00 8.00	MD MD MD MD		
17.	3 <sup>rd</sup> year maintenance :- i) 1 <sup>st</sup> time weeding, cleaning & mulching with application of fertilizer ii) 2 <sup>nd</sup> time weeding, cleaning & mulching with application of fertilizer iii) 3 <sup>rd</sup> time weeding, cleaning & mulching with application of fertilizer	10.00 12.00 8.00	MD MD MD		
18.	Watch and word from July/2018 to March/2019 on cont 26 MD/month = 9 x 26 = 234 MD	234.00	MD		
19.	Watch and word from April/2019 to March/2020 on cont 26 MD/month = 12 x 26 = 312 MD	312.00	MD		
20.	Watch and word from April/2020 to March/2021 on cont 26 MD/month = 12 x 26 = 312 MD	312.00	MD		
21.	Watch and word from April/2021 to March/2022 on cont 26 MD/month = 12 x 26 = 312 MD	312.00	MD		
22.	Watch and word from April/2022 to March/2023 on cont 26 MD/month = 12 x 26 = 312 MD	312.00	MD		
<b>Total Labour Component</b>		<b>1757</b>	<b>MD</b>	<b>235.00</b>	<b>412895.00</b>



SINo	Item	Qnty.	Unit	Rate	Amount
<b>Materials Component:-</b>					
23.	Chemical fertilizer @ 50 gm DPN/plant				1760.00
24.	Insecticides/hormones				1500.00
25.	Organic Manure				500.00
26.	Sign ages				100.00
27.	Collection of wooden post	160	Nos	100.00	16000.00
28.	Cost of chain ling fencing of size(1584 ft x 4 ft) = 6336 sqft ADD:- GST 18%	6336	Sqft	11.00	69696.00 12545.00
29.	Contingency: carriage of fertilizer etc.				1138.00
	<b>Total Materials Component</b>				<b>72918.00</b>
	<b>Total cost in field</b>				<b>485813.00</b>
	<b>Grand Total(A+B)</b>				<b>494074.00</b>

❖ Total amount required for 0.06678 Ha @ Rs 494074.00/Ha = Rs 32,994.26/-

No:- /SG-2 Date:- 04/02/2019  
Submitted to the DFO/BKP Division for her kind pre-audit  
& saction

  
Divisional Forest Officer  
Baikunthapur Division

Range Officer  
Sarugarah Range