

ESTIMATE FOR COMPENSATORY AFFORESTATION FOR CREATION AND MAINTENANCE OF 8.2 HECT (AR) PLANTATION AT TOKOWANI RE UNDER DOOMDOOMA RANGE OF DOOMDOOMA DIVISION AGAINST THE DIVERSION PROPOSAL OF 4.1 HA. FOR KHORAGHAT GGS/EPS OF ONGC.

Location: TOKOUWANI RE

Area in Hectre = 8.2
 SPACING (m x m) = 2 X 2
 No. of Saplings/ha = 2500
 Length of fence (RM) = 1300
 Wage Rate for first year (Rs.) = 320
 Increase in wages rate for subsequent years by a factor = 1.1

Species to be planted: Simul, Siris, Khokan, Hollock, Sisoo, Lal, Pama, Seleng, Moss, Bhalikor, Gomari, Hengalu, Ghoransem

Sl No	Particulars of works	Unit	Qty/ha	Total Qty.	Rate/unit	Amount (in Rs.)	Applicable rate of GST /cess etc		
							GST	Labour cess (1%)	
A	ERECTION OF FENCING								
	(a) Cost of full chain linked fencing (4 ft ht. with 10 Gauge, 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be fitted on pre-cast RCC pillars of specific specification and size (2.1m X 0.125m X 0.125m) As per detail specification attached at 2.5m apart, including transportation fitting and fixing for 1300 RM @ Rs.1706/per RM as per estimate	RM's	-	1300	1706.00	2217800.00			
	<i>Sub-total</i>						2,217,800.00		
B	INFRASTRUCTURE IN PLANTATION AREA								
	Cost of tools and implements	set	-	1	10000.00	10000.00			
	Cost of RCC signboard and gate including fitting and fixing of the same.	Nos.	-	1	40000.00	40000.00			
	<i>Sub-total</i>						50,000.00	6,000.00	500.00
C	ADVANCE WORK(including site nursery)								
	Raising of nursery for creation including vacancy filling for 3 (three) years (25% + 15%+10%) and site nursery mortality 15% by using polypots)	Nos.	4125	33825	10.00	338250.00			
	Site selection, surveying, demarcation, jungle cutting slash disposal etc 40 Dis/ha	Dis	40	328	320.00	104960.00			
	<i>Sub-total</i>						443,210.00		

D	CREATION						
	Soil working, carriage of stump, polypot seedlings & planting at the plantation site including dibbling of seeds wherever necessary to complete raising of plantation with all necessary operations @ 50 DLs/ha.	DLs	50	410	320.00	131200.00	
		/					
					<i>Sub-total</i>	131,200.00	
E	1st YEAR MAINTENANCE						
	4 weeding, mulching and fire protection work @25 dls/ha/weeding	Dis	100	820	320.00	262400.00	
	Contingency	Ls				8000.00	
					<i>Sub-total</i>	270,400.00	
F	2nd YEAR MAINTENANCE						
	4 weedings, mulching fire protection works @ 25 DLs/ha /weeding	DLs	100	820	352.00	288640.00	
	25% vacancy filling by 1 year old seedlings from nursery @ 28 DLs/ha	DLs	28	230	352.00	80960.00	
	Maintenance & protection by way of deploying of watch and ward for site nursery & plantation area (1 DL for 365 days)	DLs	1	365	352.00	128480.00	
	Contingency L.S.	L.S.				8000.00	
					<i>Sub-total</i>	506,080.00	
G	3rd YEAR MAINTENANCE						
	4 weedings, mulching fire protection works @ 20 DLs/ha /weeding	DLs	80	656	387.00	253872.00	
	15% vacancy filling by 2 year old seedlings from nursery @ 23 DLs/ha	DLs	23	189	387.00	73143.00	
	Maintenance & protection by way of deploying of watch and ward for site nursery & plantation area (1 DL for 365 days)	DLs	1	365	387.00	141255.00	
	Contingency	LS				8000.00	
		/			<i>Sub-total</i>	476,270.00	
II	4th YEAR MAINTENANCE						
	3 weedings, fire protection works @ 15 DLs/ha /weeding	DLs	45	369	426.00	157194.00	
	10% vacancy filling by 3 years old seedling from nursery @20DLs/ha	DLs	20	164	426.00	69864.00	
	Maintenance & protection by way of deploying of watch and ward for site nursery & plantation area (1 DL for 365 days)	DLs	1	365	426.00	155490.00	
	Contingency	LS				8000.00	
					<i>Sub-total</i>	390,548.00	

I	5th YEAR MAINTENANCE							
	Climber cutting, 3 weeding and other silvicultural works & fire protection works @ 15 DLs/ha	DLs	45	369	469.00	173061.00		
	Maintenance & protection by way of deploying of watch and ward for site nursery & plantation area (1 DL for 365 days)	DLs	1	365	469.00	171185.00		
	Contingency	LS				8000.00		
					Sub-total	352,246.00		
J	6th YEAR MAINTENANCE							
	Repairing of chainlink fencing	LS				25000.00		
	1 st mechanical thinning of alternate single strips in the plantation 1250Nos. of stems/ha	DLs	62	508	516.00	262128.00		
	Climbers cutting, silvicultural works and fire protection works @10DLs/ha	DLs	10	82	516.00	42312.00		
	Maintenance of camp hut, implements, upkeepment of plantation signboard, documents and upkeepment of records etc	L.S.				5000.00		
	Contingency	L.S.				5000.00		
					Sub-total	339,440.00		
K	7th YEAR MAINTENANCE							
	Climber cutting, silvicultural works & fire protection works @ 10 DLs/ha	DLs	10	82	568.00	46576.00		
	Maintenance of camp hut, implement of plantation signboard, documentation and upkeepment of records etc	LS				5000.00		
	Contingency	L.S.				5000.00		
					Sub-total	56,576.00		
L	8th YEAR MAINTENANCE							
	Climber cutting, silvicultural works & fire protection works @ 10 DLs/ha	DLs	10	82	625.00	51250.00		
	Maintenance of camp hut, implement of plantation signboard, documentation and upkeepment of records etc	LS				5000.00		
	Contingency	L.S.				5000.00		
					Sub-total	61,250.00		

M	9th YEAR MAINTENANCE							
	Climber cutting, silvicultural works & fire protection works @ 10 DLs/ha	DLs	10	82	688.00	56416.00		
	Maintenance of camp hut, implement of plantation signboard, documentation and upkeepment of records etc	LS				5000.00		
	Contingency	L.S.				5000.00		
	<i>Sub-total</i>					66,416.00		
N	10th YEAR MAINTENANCE							
	Climber cutting, silvicultural works & fire protection works @ 10 DLs/ha	DLs	10	82	757.00	62074.00		
	Maintenance of camp hut, implement of plantation signboard, documentation and upkeepment of records etc	LS				5000.00		
	Contingency	L.S.				5000.00		
	<i>Sub-total</i>					72,074.00		
	Total					5,433,510.00		
	GST @12% and Cess @1% of Sl. No. B					6,500.00		
	Total					5,440,010.00		
	Overhead cost @50% of the total cost					2,720,005.00		
	Grand total (rounded off)					8,160,015.00		

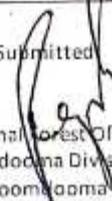
(Rupees Eighty One lakh Sixty thousand and Fifteen) only

Technically Approved


Deputy Conservator of Forest
E.A.C. Jorhat

DS
09-06-23

Submitted


Divisional Forest Officer,
Doomdoona Division,
Doomdoona