

**Norms for 4.20 hect. Compensatory Afforestation plantation in Upper Dehing Reserve Forest (West Block) under Lakhpathar Range against the diversion proposal of KSAI (2.1 ha.) by ONGC**

Area (ha.)	=	4.2
Spacing (m x m)	=	2 x 2
Number of Saplings/ha	=	2500
Length of Fence (RM)	=	894
Wage rate (Rs.)	=	273
Increase in wage rate for subsequent years by a factor	=	1.1
Appreciation of material costs by a factor	=	1.1

Sl. No.	Particulars of Works	Unit	Qty./Ha.	Total Qty.	Rate/Unit	Amount (Rs.)
A	<b>ERECTION OF FENCING</b>					
	(a) Cost of full chain link Goat proof fencing (4' 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 as per details specification attached at 2.5 m apart, including transportation, fitting and fixing for 919 RM @ Rs. 894/RM as per estimate	RMs		894	1016	908304
	<b>Sub Total</b>					<b>908304</b>
B	<b>INFRASTRUCTURE IN PLANTATION AREA</b>					
	Cost of tools & implements	Nos.		1	5000	5000
	<b>Sub Total</b>					<b>5000</b>
C	<b>ADVANCE WORK</b>					
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.	DLs	20	84	273	22932
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ha. @ Rs. 8/- per polypot	Nos.	2500	10500	8	84000
	<b>Preparation of polypot saplings in the field nursery for vacancy filling</b>					
	a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e. 625 seedlings/ha. @ Rs. 8/- per polypot/stump	Nos.	625	2625	8	21000
	b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) i.e. 500 seedlings/ha @ Rs. 8/- per polypot/stump	Nos.	500	2100	8	16800
	<b>Sub Total</b>					<b>144732</b>
D	<b>CREATION &amp; 1ST YEAR MAINTENANCE</b>					
	Soil working, carriage of stamps, polypot seedling and planting at the plantation site including, dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/ha	DLs	40	168	273	45864
	5 weeding, mulching and fire protection works @ 18 DLs/ha/weeding	DLs	90	378	273	103194
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	1	365	273	99645
	Contingency	LS				7000
	<b>Sub Total</b>					<b>255703</b>
E	<b>2ND YEAR MAINTENANCE</b>					
	5 weeding, fire protection works @ 10 DLs/ha/weeding	DLs	50	210	300	63000
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	42	300	12600
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	1	365	300	109500
	Contingency	LS				7000
	<b>Sub Total</b>					<b>192100</b>
F	<b>3RD YEAR MAINTENANCE</b>					
	4 weeding, fire protection works @ 8 DLs/ha/weeding	DLs	32	134.4	330	44352
	20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha	DLs	8	33.6	330	11088
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	1	365	330	120450
	Contingency	LS				7000
	<b>Sub Total</b>					<b>182890</b>
G	<b>4TH YEAR MAINTENANCE</b>					
	4 weeding, fire protection works @ 8 DLs/ha/weeding	DLs	32	134.4	363	48787.2
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	1	365	363	132495
	Contingency	LS				7000
	<b>Sub Total</b>					<b>188282</b>
H	<b>5TH YEAR MAINTENANCE</b>					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	21	399	8379
	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLs	1	365	399	145635
	Contingency	LS				7000
	<b>Sub Total</b>					<b>161014</b>



I	<b>6TH YEAR MAINTENANCE</b>					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	21	439	9219
	Contingency	LS				7000
	<b>Sub Total</b>					<b>16219</b>
	<b>7TH YEAR MAINTENANCE</b>					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	21	483	10143
	Contingency	LS				7000
	<b>Sub Total</b>					<b>17143</b>
K	<b>8TH YEAR MAINTENANCE</b>					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	21	531	11151
	Contingency	LS				7000
	<b>Sub Total</b>					<b>18151</b>
L	<b>9TH YEAR MAINTENANCE</b>					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	21	584	12264
	Contingency	LS				7000
	<b>Sub Total</b>					<b>19264</b>
M	<b>10TH YEAR MAINTENANCE</b>					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	21	642	13482
	Contingency	LS				7000
	<b>Sub Total</b>					<b>20482</b>
	<b>Total</b>					<b>2129284</b>
	<b>50% Overhead Cost</b>					<b>1064642</b>
	<b>Grand Total</b>					<b>3193926</b>

(Rupees Thirty one lakh ninety three thousand nine hundred twenty six) only

Particulars of works	Amount (Rs.)
Erection of fencing	908304
Infrastructure in plantation area	5000
Advance work	144732
Creation & 1st year maintenance	255703
2nd year maintenance	192100
3rd year maintenance	182890
4th year maintenance	188282
5th year maintenance	161014
6th year maintenance	16219
7th year maintenance	17143
8th year maintenance	18151
9th year maintenance	19264
10th year maintenance	20482
<b>TOTAL</b>	<b>2129284</b>
<b>Rate per hect. plantation</b>	<b>506972</b>

Technically Approved by

Countersigned by

Submitted by

(Narayan Mahanta, IFS)  
Conservator of Forests  
Eastern Assam Circle, Jorhat

(T.C. Ranjith Ram, IFS)  
Divisional Forest Officer  
Digboi Division, Digboi  
Insukia, Assam

I/c Lakhpathar Range  
Forest Range Officer  
Lakhpathar Range