

**Norms for 3.6 hect. Compensatory Afforestation plantation in Kotha Reserve Forest under Jagun Range of Digboi Forest
Division against the diversion proposal of MJAA by ONGC**

Area (ha.)	=	3.6
Spacing (m x m)	=	2 x 2
Number of Saplings/ha	=	2500
Length of Fence (RM)	=	770
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/U nit	Amount (Rs.)
A	ERECTION OF FENCING					
	(a) Cost of full chain link Goat proof fencing (4' ht with 10 guage 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 770 RM @ Rs. 1016/RM as per estimate	RMs		770	1016	782320
	Sub Total					782320
B	INFRASTRUCTURE IN PLANTATION AREA					
	Cost of tools & implements	Nos.		1	5000	5000
	Sub Total					5000
C	ADVANCE WORK					
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.	DLs	20	72	273	19656
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ha. @ Rs. 8/- per polypot	Nos.	2500	9000	8	72000
	Preparation of polypot saplings in the field nursery for vacancy filling					
	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	2250	8	18000
	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	1800	8	14400
	Sub Total					124056
D	CREATION & 1ST YEAR MAINTENANCE					
	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	144	273	39312
	5 weeding, mulching and fire protection works @ 18 DLs/ha/weeding	DLs	90	324	273	88452
	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
	Sub Total					234409
E	2ND YEAR MAINTENANCE					
	5 weeding, fire protection works @ 10 DLs/ha/weeding	DLs	50	180	300	54000
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	36	300	10800
	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
	Sub Total					181300
F	3RD YEAR MAINTENANCE					
	4 weedings, fire protection works @ 8 DLs/ha/weeding	DLs	32	115.2	330	38016
	20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha	DLs	8	28.8	330	9504
	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
	Sub Total					174970
G	4TH YEAR MAINTENANCE					
	4 weeding, fire protection works @ 8 DLs/ha/weeding	DLs	32	115.2	363	41817.6
	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
	Sub Total					181313
H	5TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	18	399	7182
	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
	Sub Total					159817

I	6TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	18	439	7902
	Contingency	LS				7000
	Sub Total					14902
J	7TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	18	483	8694
	Contingency	LS				7000
	Sub Total					15694
K	8TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	18	531	9558
	Contingency	LS				7000
	Sub Total					16558
L	9TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	18	584	10512
	Contingency	LS				7000
	Sub Total					17512
M	10TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	18	642	11556
	Contingency	LS				7000
	Sub Total					18556
	Total					1926407
	50% Overhead Cost					963203
	Grand Total					2889610

(Rupees Twenty eight lakh eighty nine thousand six hundred ten) only

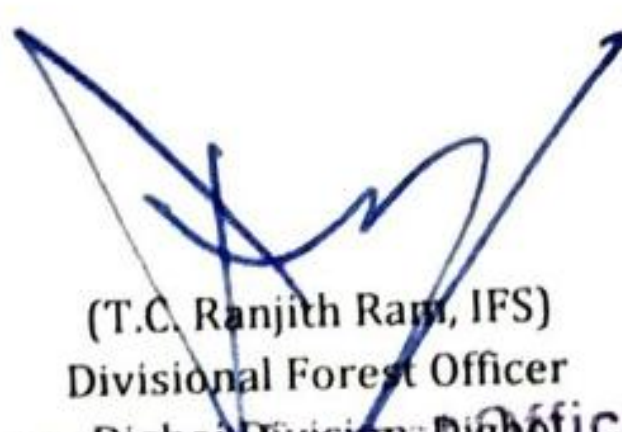
Particulars of works	Amount (Rs.)
Erection of fencing	782320
Infrastructure in plantation area	5000
Advance work	124056
Creation & 1st year maintenance	234409
2nd year maintenance	181300
3rd year maintenance	174970
4th year maintenance	181313
5th year maintenance	159817
6th year maintenance	14902
7th year maintenance	15694
8th year maintenance	16558
9th year maintenance	17512
10th year maintenance	18556
TOTAL	1926407
Rate per hect. plantation	535113

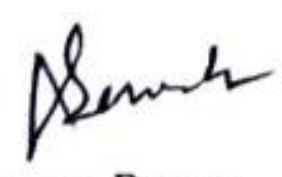
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