

Norms for 5.20 hect. Compensatory Afforestation plantation in Digboi Reserve Forest (East Block) under Digboi Range against the diversion proposal of 2.597 hect. of the forest land for the drilling location DPDA, DPDB, DPDC, DPDE, DPDF & DPDG of ONGC

Area (ha.)	=	5.2
Spacing (m x m)	=	2 x 2
Number of Saplings/ha	=	2500
Length of Fence (RM)	=	1040
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 1040 RM @ Rs. 1016/RM as per estimate	RMs		1040	1016	1056640
	Sub Total					1056640
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	104	273	28392
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ha. @ Rs. 8/- per polypot	Nos.	2500	13000	8	104000
	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	3250	8	26000
	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	2600	8	20800
	Sub Total					179192
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	208	273	56784
	5 weeding, mulching and fire protection works @ 18 DLs/ha/weeding	DLs	90	468	273	127764
	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					291193
E	2ND YEAR MAINTENANCE					
	5 weeding, fire protection works @ 10 DLs/ha/weeding	DLs	50	260	300	78000
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	52	300	15600
	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					210100
F	3RD YEAR MAINTENANCE					
	4 weedings, fire protection works @ 8 DLs/ha/weeding	DLs	32	166.4	330	54912
	20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha	DLs	8	41.6	330	13728
	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					196090
G	4TH YEAR MAINTENANCE					
	4 weeding, fire protection works @ 8 DLs/ha/weeding	DLs	32	166.4	363	60403.2
	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
	Sub Total					199898
H	5TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	26	399	10374
	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					163009

I	6TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	26	439	11414
	Contingency	LS				7000
	Sub Total					18414
	7TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	26	483	12558
	Contingency	LS				7000
	Sub Total					19558
K	8TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	26	531	13806
	Contingency	LS				7000
	Sub Total					20806
L	9TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	26	584	15184
	Contingency	LS				7000
	Sub Total					22184
M	10TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	26	642	16692
	Contingency	LS				7000
	Sub Total					23692
	Total					2405776
	50% Overhead Cost					1202888
	Grand Total					3608664


(Rupees Thirty six lakh eight thousand six hundred sixty four) only

Particulars of works	Amount (Rs.)
Erection of fencing	1056640
Infrastructure in plantation area	5000
Advance work	179192
Creation & 1st year maintenance	291193
2nd year maintenance	210100
3rd year maintenance	196090
4th year maintenance	199898
5th year maintenance	163009
6th year maintenance	18414
7th year maintenance	19558
8th year maintenance	20806
9th year maintenance	22184
10th year maintenance	23692
TOTAL	2405776
Rate per hect. plantation	462649

Technically Approved by

Countersigned by

Submitted by


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 I/c Digboi Range