

Norms for 27 hect. Compensatory Afforestation plantation in Upper Dehing Reserve Forest (East Block) under Margherita East Range against the diversion proposal for laying of underground Oil & Gas Pipelines along Dulaijan-Digboi Road (13.43 ha.) by Oil India Limited

Area (ha.)	=	27
Spacing (m x m)	=	2 x 2
Number of Saplings/ha	=	2500
Length of Fence (RM)	=	2720
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 2720 RM @ Rs. 1016/RM as per estimate	RMs		2720	1016	2763520
	Sub Total					2763520
B	INFRASTRUCTURE IN PLANTATION AREA					
	Construction of camp hut with installation of ring/tube well	Nos.		1	150000	150000
	Cost of tools & implements	Nos.		1	5000	5000
	Cost of RCC signboard & gate including fitting & fixing of the same	Nos.		1	30000	30000
	Camp accessories @ Rs.5000/- per camp	Nos.		1	5000	5000
	Sub Total					190000
C	ADVANCE WORK					
	Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha.	DLs	20	540	273	147420
	Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ha. @ Rs. 8/- per polypot	Nos.	2500	67500	8	540000
	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	16875	8	135000
	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	13500	8	108000
	Sub Total					930420
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	1080	273	294840
	5 weeding, mulching and fire protection works @ 18 DLs/ha/weeding	DLs	90	2430	273	663390
	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					1064875
E	2ND YEAR MAINTENANCE					
	5 weeding, fire protection works @ 10 DLs/ha/weeding	DLs	50	1350	300	405000
	25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha	DLs	10	270	300	81000
	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					602500
F	3RD YEAR MAINTENANCE					
	4 weeding, fire protection works @ 8 DLs/ha/weeding	DLs	32	864	330	285120
	20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha	DLs	8	216	330	71280
	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					483850
G	4TH YEAR MAINTENANCE					
	4 weeding, fire protection works @ 8 DLs/ha/weeding	DLs	32	864	363	313632
	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					453127
H	5TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha	DLs	5	135	399	53865

	Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days)	DLS	1	365	399	145645
	Contingency	LS				7000
	Sub Total					206500
I	6TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLS/ha	DLS	5	135	439	59265
	Contingency	LS				7000
	Sub Total					66265
J	7TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLS/ha	DLS	5	135	483	65205
	Contingency	LS				7000
	Sub Total					72205
K	8TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLS/ha	DLS	5	135	531	71685
	Contingency	LS				7000
	Sub Total					78685
L	9TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLS/ha	DLS	5	135	584	78840
	Contingency	LS				7000
	Sub Total					85840
M	10TH YEAR MAINTENANCE					
	Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLS/ha	DLS	5	135	642	86670
	Contingency	LS				7000
	Sub Total					93670
	Total					7091457
	50% Overhead Cost					3545729
	Grand Total					10637186

(Rupees One crores six lakhs thirty seven thousand one hundred eighty six) only

Particulars of works	Amount (Rs.)
Erection of fencing	2763520
Infrastructure in plantation area	190000
Advance work	930420
Creation & 1st year maintenance	1064875
2nd year maintenance	602500
3rd year maintenance	483850
4th year maintenance	453127
5th year maintenance	206500
6th year maintenance	66265
7th year maintenance	72205
8th year maintenance	78685
9th year maintenance	85840
10th year maintenance	93670
TOTAL	7091457
Rate per hect. plantation	262647

Technically Approved by

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I/c Margherita East Range