ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER AT SANGALIGAN AREA OF DAFFLAGHARH FOREST RANGE UNDER BANDERDEWA FOREST DIVISION

with Opt
Indradha
Sangalig
1.5775 H
3.16 Ha
333/-

Gohpur- Itanagar Natural Gas Pipeline Project along tical Fiber Cable

anush Gas Grid Ltd.

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Ha

		Unit	Qnt	Rate	Amount	Remarks
Α	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.	No.	3476	18	62568	
1	1ST YEAR OPERATION					
	Survey & demarcation and prepration of map @ 4 mandays/ ha.	ha	3.16	1332	4209	
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	960	231.52	222259	
	(ii)Maint. Barbed wire fencing @ 5% of erection cost in each year from 3rd year to 6th year Add.					
	Add 10% escalation value by multiplying factor:					
	1.20 for 3rd year					
	1.3 for 4th year					
	1.4 for 5th year					
	1.5 for 6th year					
	Sub-Total					
3	Raising of seedlings for casualty replacement	No.	869	18.00	15642	
	3rd year 15%=165 Nos					
	4th year 10%= 110 Nos. Total= 275 Nos.					
4	RAISING OF PLANTATION		L]L_	I	<u>,</u>	
	(i) Clearance of brush wood, planting lines & staking of debries @ 15 mandays/ha.	ha	3.16	53114	167840	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandys/ha					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 22 mandays/ha					
	(iv) Prepration of thala by uprooting of debris by hoeing around pits @ 22 mandays/ha					

(v) Carring of sapling (b the planting site i/c planting of sapling (b 30 mandays (Area II) b=20 mandays (Area II) (vii) Free line cutting 3mtrs wide along the periphery (b) 5 mandays/ha							(57)
3 mandays/ha		planting of sapling @ 30 mandays (Area II)					
periphery @ 5 mandays/ha			2				
mandays/weeding/ha							
4(i) to 4(viii) ha 3.16 17982 56823 5 3RD YEAR OPERATION ha 3.16 17982 56823 (ii) Tending - 3 weeding @ 12 mandays/ha		mandays/weeding/ha					
(i) Tending - 3 weeding @ 12 mandays/ha		4(i) to 4(viii)					
(ii) Casualty replacement 15% (iii) Maint. of inspection path @ 1 (iv) Maint. Of fireline @ 1 manday/ha (iv) Maint. Of fireline @ 1 manday/ha Add 20% escalation value on total of item 5(i) to 5(iv) 6 4TH YEAR OPERATION ha 3.16 14286 45144 (ii) Tending -2 weedings @ 12 mandays/ha (iii) Casualty replacement 10% @ 7 (iii) Maint. Of inspection path @ 1 (iii) Maint. of fireline @ 1	5		ha	3.16	17982	56823	
(iii)Maint. of inspection path @ 1		(i) Tending - 3 weeding @ 12 mandays/ha					
manday/ha		(ii) Casualty replacement 15%					
Add 20% escalation value on total of item S(i) to 5(iv) Image: constraint of the second s							
S(i) to 5(iv) ha 3.16 14286 45144 6 4TH YEAR OPERATION ha 3.16 14286 45144 (i) Tending -2 weedings @ 12 12 12 12 (ii) Tending -2 weedings @ 12 12 13 14286 45144 (ii) Tending -2 weedings @ 12 13 14286 45144 (iii) Maint. Of inspection path @ 1 14286 45144 (iii) Maint. of fireline @ 1 14286 45144 (iv) Maint. of fireline @ 1 14286 45144 7 STH YEAR OPERATION ha 3.16 6527 20625 (i) Tending - 1 weedings @ 12 12 12 12 (ii) Maint. of inspection path @ 1 13 16 12 12 (iii) Maint. Of fire line @ 1 manday/ha 1 12 13 14 14 14 <t< td=""><td></td><td>(iv) Maint. Of fireline @ 1 manday/ha</td><td></td><td></td><td></td><td></td><td></td></t<>		(iv) Maint. Of fireline @ 1 manday/ha					
(i) Tending -2 weedings @ 12 mandays/weeding/ha 12 mandays/weeding/ha (ii) Casualty replacement 10% @ 7 mandays/ha 1 (iii) Maint. Of inspection path @ 1 manday/ha 1 (iv) Maint. of fireline @ 1 manday/ha 1 Add 30% escalation value on item 6(i) to 6(iv) 1 7 STH YEAR OPERATION ha (ii) Maint. of fireline @ 1 manday/ha 1 (ii) Tending - 1 weedings @ 12 mandays/weeding/ha 1 (iii) Maint. Of fireline @ 1 manday/ha 1 (iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii) 1 Add 40% escalation value on item 7(i) to 7 (iii) 1 Add 40% escalation value on item 7(i) to 7 (iii) 1 Add 40% escalation value on item 7(i) to 7 (iii) 1 (ii) Tending - 1 weedings @ 12 mandays/weeding/ha 1 (ii) Maint. of inspection path @ 1 mnday/ ha 1 (iii) Maint. of inspection path @ 1 mnday/ ha 1		a second of a second					
(i) Tending -2 weedings @ 12 mandays/weeding/ha Image: Constraint of the second se	6	4TH YEAR OPERATION	ha	3.16	14286	45144	
(ii) Casualty replacement 10% @ 7 mandays/ha							
manday/ha		(ii) Casualty replacement 10% @ 7					
manday/weeding/ha							
6(iv) ha 3.16 6527 20625 7 5TH YEAR OPERATION ha 3.16 6527 20625 (i) Tending - 1 weedings @ 12 mandays/weeding/ha 1 1 1 1 (ii) Maint. of inspection path @ 1 manday/ha 1 1 1 1 (iii) Maint. Of fire line @ 1 manday/ha 1 1 1 1 (iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii) 1 1 1 1 Add 40% escalation value on item 7(i) to 7(iv) 1 1 1 1 1 8 6TH YEAR OPERATION ha 3.16 6993 22098 1 (i) Tending - 1 weedings @ 12 mandays/weeding/ha 1 1 1 1 1 1 (ii) Maint. of inspection path @ 1 mnday/ ha. 1							
(i) Tending - 1 weedings @ 12 mandays/weeding/ha 12 1		6(iv)					
mandays/weeding/ha Imanday/weeding/ha Imanday/ha (ii) Maint. of inspection path @ 1 Imanday/ha Imanday/ha (iii) Maint. Of fire line @ 1 manday/ha Imanday/ha Imanday/ha (iv) Add paid holiday @ 18.63% on item 7(i) Imanday Imanday (iv) Add paid holiday @ 18.63% on item 7(i) Imanday Imanday Add 40% escalation value on item 7(i) to 7(iv) Imanday Imanday 8 6TH YEAR OPERATION ha 3.16 6993 22098 (i) Tending - 1 weedings @ 12 Imandays/weeding/ha Imanday/ha Imanday/ha Imanday/ha (ii) Maint. of inspection path @ 1 mnday/ha Imanday/ha Imanday/ha Imanday/ha Imanday/ha	7		ha	3.16	6527	20625	
manday/ha		mandays/weeding/ha					
(iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii)Image: Constraint of the second		manday/ha					
to 7 (iii) Add 40% escalation value on item 7(i) to 7(iv) Image: Constraint of the second secon		(111) Maint. Of fire line @ 1 manday/ha					
7(iv) ha 3.16 6993 22098 8 6TH YEAR OPERATION ha 3.16 6993 22098 (i) Tending - 1 weedings @ 12 Imandays/weeding/ha		to 7 (iii)					
(i) Tending - 1 weedings @ 12 (ii) Maint. of inspection path @ 1 mnday/		7(iv)					
mandays/weeding/ha (ii) Maint. of inspection path @ 1 mnday/ ha.	8		ha	3.16	6993	22098	
ha.		mandays/weeding/ha					
(iii) Maint. of fireline @ 1 manday/ha.		ha.					
		(iii) Maint. of fireline @ 1 manday/ha.					

			or say Rs.7,77,400.00			
				Total	777370	
	structures (where needed) @ Rs. 7200/- per ha.		0.10			
	Monitoring, Supervision (POL, Maint. of vehicles, including TE etc.) @ 12% and Contingency @ 3% to meet up unseen expenditure i.e 15% on item No.1 to16 plus Nursery cost to meet the unforeseen expenditure Rs.656190/-		3.16	7200	98429 22752	
	Approach foot track to plantation in area where necessary		300	7.16	2148	
	 (i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha Add 90% escalation value on total of item 12 (i) 					
12	10TH YEAR OPERATION	ha	3.16	3164	9998	
	Add 80% escalation value on total of item 11(i)					
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
11	9TH YEAR OPERATION	ha	3.16	2997	9471	
	Add 70% escalation value on item 10(i) Sub-Total					
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
10	8TH YEAR OPERATION	ha	3.16	2831	8946	
	Add 60% escalation value on total item 9(i)					
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
9	8(iii)	ha	3.16	2664	8418	
- 0	Add 50% escalation value on item 8(i) to					

(Rupees Seven Lakh Seventy Seven Thousand Four Hundred) only

Prepared by

(D.K.Poddar) Addl. Chief Estimator O/O PCCF, Itanagar

(R.K.Singh) Nodal Officer (FCA)

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