

ANNEXURE – VIII

**ESTIMATE FOR CARRYING OUT AVENUE PLANTATION ALONG NH-29A ROAD,
PACKAGE-I (DEEMED FOREST AREA)**

1. Project Name : 2-laning of Peren-Jalukie section on NH-129A Engineering,
Procurement and construction made in the state of
Nagaland.
2. Species proposed to be
Planted : Prunus cerasoides (Cherry)
3. Implementing Agency : Department of Environment, Forests & Climate Change,
Nagaland
4. Time scheduled : Advanced work, creation of plantation and maintenance
upto 3 yrs
(Rs.350 /- per manday) (1100 plants per ha/1100 plants per 3 km)
(Spacing 3X3 m)

<i>Sl. No.</i>	<i>Item of work</i>	<i>Manday required (in No.)</i>	<i>Labour Component (in Rs.)</i>	<i>Material Component (in Rs.)</i>	<i>Total cost per seedling (in Rs.)</i>
1	2	3	4	5	6
1	Advance works including nursery				
	(a) Survey & demarcation of Nursery site and planting site	12	4560	-	4560
	(b) Preparation of nursery bed, shed erection with netlon	20	7600		7600
	(c) Cost of seed			2700	2700
	(d) Cost of materials like poly bags, netlon and fertilizers etc.			8100	8100
	(e) Pre-treatment of seeds including cost of fungicides, fumigants, soil sterilants etc	17	6460		6460
	(f) Sowing of seeds and weeding, watering	16	6080	-	6080
	(g) Fire protection	5	1900	-	1900
	Sub-Total	70	26600	10800	37400
2	Creation of plantation				
	(a) Alignment, preparation of stakes, digging of pits, preparation of planting materials, carriage to planting sites, planting/sowing, construction of camp sheds, inspection parts, signboards and other misc. works	40	15200	-	15200
	(b) Weeding 4 times including vacancy filling (30+20+20+20)	90	34200	-	34200
	(c) Fire protection measures ward and Watch (5+5)	10	3800	-	3800

	(d) Manurins & Watering				
	(e) Cost of manures/fertilizers			5400	5400
	(f) Fencing /tree guard (Local materials) including subsequent maintenance.	-	-	37800	37800
	Sub-Total	150	57000	43200	100200
	Maintenance of Plantation				
	(i) Maintenance after 1st year				
	(c) Weeding 3 times including vacancy filling, manuring & watering (20+20+20+10)	70	26600		26600
	(d) Fire protection measures & watch and ward (5+5)	10	3800		3800
	(e) Cost of manures/fertilizers	-	-	5400	5400
	(f) Signboard and labeling etc	-	-	5400	5400
	Sub-Total	80	30400	10800	41200
	(ii) Maintenance after 2 years				
	(c) Weeding 2 times vacancy filling, manuring & watering (15+15+10+10)	50	19000	-	19000
	(d) Fire protection measures & watch and ward (5+5)	10	3800	-	3800
	(e) Cost of fertilizers/manures	-	-	5400	5400
	Sub-Total	60	22800	5400	28200
3	(iii) Maintenance after 3 years				
	(a) Weeding 2 times vacancy filling, manuring & watering (15+15+10+10)	50	19000	-	19000
	(b) Fire protection measures & watch and ward (5+5)	10	3800	-	3800
	(c) Cost of fertilizers/manures	-	-	5400	5400
	Sub-Total	60	22800	5400	28200
	(iv) Maintenance after 4 years				
	(a) Weeding 2 times vacancy filling, manuring & watering (15+15+10+10)	50	19000	-	19000
	(b) Fire protection measures & watch and ward (5+5)	10	3800	-	3800
	(c) Cost of fertilizers/manures	-	-	5400	5400
	Sub-Total	60	22800	5400	28200
	(v) Maintenance after 5 years				
	(a) Weeding 2 times vacancy filling, manuring & watering (15+15+10+10)	50	19000	-	19000

	(b) Fire protection measures & watch and ward (5+5)	10	3800	-	3800
	(c) Cost of fertilizers/manures	-	-	5400	5400
	Sub-Total	60	22800	5400	28200
	(vi) Maintenance after 6 years				
	(a) Weeding 2 times vacancy filling, manuring & watering (15+15+10+10)	50	19000	-	19000
	(b) Fire protection measures & watch and ward (5+5)	10	3800	-	3800
	(c) Cost of fertilizers/manures	-	-	5400	5400
	Sub-Total	60	22800	5400	28200
	Grand Total	600	228000	91800	319800

Length of the proposed road for diversion of forest land for Widening of NH-129A (Package-I) -
Deem forest area = 0.51 km (For 3 x 3m spacing, 1100 plants could be planted on 3 kms)

Component wise breakup				
Sl. No.	Component	Forest Land (ha.)	Non-Forest Land (ha.)	Length (in km)
1	Road Ch 124+020 to 530	0.45		0.51

Hence, cost of raising Avenue Plantation along 0.51 km = $\frac{0.51 \times 319800}{3}$ = Rs. 54,366/-

Prepared by



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