Suitability Certificate

This is to certify that the undersigned has inspected the area as per the details given below as an degraded Forest land suitable for compensatory afforestation and management purpose also and it is free from encroachment and encumbrances.

Sr no	Tahsil	Name of Village	Gut No	Suitable for CA (in ha.)
1	Vaijapur	Parla	359	8.81
2			376	10.87
3			358	5.76
4			352	4.56
Total				**30.00**

Date : 27/12/2021.

Place : Vaijapur

(S.G.Kavathe)
Range Forest Officer
Vaijapur

(S.U.Shinde)
Asstt.Conservator of Forests
(EGS & Campa) Kannad

Counter signed by

(S.V.Mankawar)
Dy. Comservator of Forests
Aurangabad Forest Division

Suitability Certificate

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Counter signed by
(S.V.Mankawar)
Dy. Comservator of Forests
Aurangabad Forest Division

Estimate for Compensatory Afforestation Scheme on degraded Forest land in Aurangabad Division for Vadape to Thane NH-3 (New NH-848) Road Project

Modal No.5
Fencing and Irrigated Plantation

Name of Village :-Parla
District :- Aurangabad
Name of Range:- Vaijapur
Spacement of pits - 3.00 m x 3.00 m
Size of pits - 0.45 x 0.45 x 0.45 m
No.of Seedlings per ha - 1111 per ha.

Taluka :- Vaijapur

Gut No 359,376,358,352
Area in Ha. = 30

Daily Wage Rate:- Rs. 387.23

Sr. No.	Particulars of works	Mandays	Rate per Hectare			Mandays	Rate for 10.00 Hectare		
			Wages Rs.	M & S Rs.	Total Rs.		Wages Rs.	M&S Rs.	Total Rs.
	P.P.O.+ P.Y.O. WORKS								
1	a. Survey & Demarcation	1.00	387.23	91.00	478.23	30.00	11616.90	2730.00	14346.90
	b. Preparation of treatment map (100m x 50m grid)	1.00	387.23	91.00	478.23	30.00	11616.90	2730.00	14346.90
	c. Digging trial pits of size 0.30 x 0.30 x 0.60 in corner of gride	0.40	148.46	0.00	148.46	12.00	4646.76	0.00	4646.76
	d. Fixing 60 cm x 0.05cm x 12 cm cement pillars upto 30cm deep in corner of Gride, painting with Gride No. etc complete (3 pillar, Rs, 75/- for each pillar)	0.00	0.00	225.00	225.00	0.00	0.00	6750.00	6750.00
	e. Clearing of bushes & preparation of site (as per requirement)	10.00	3872.30	91.00	3963.30	300.00	116169.00	2730.00	118899.00
2	Soil & Moisture Conservation work including collection of Rubbles from areas up to 30 m.etc.	31.00	12004.13	0.00	12004.13	930.00	360123.90	0.00	360123.90
3	Providing and fixing Chain link fencing, 102 Rmt per ha (With one gate + two wickets gates for one site) Rs. 1494/- per Rmt of basic rate + 20 % for transportation of ave. leadplus 20% for trible/remote area (by tender process.) (Rs. 1494 + 149+ 149 = 1792/- per Rmt (1.60 Rmt height with G.I. Chain link size 50mm x 50 m, 8 gauge thick and fixed 75 mm abve ground level compleate as per SSR item No. 1744 for 2017-18)	0.00	0.00	182865.60	182865.60	0.00	0.00	5485968.00	5485968.00

4	Alingment of pits at 3mX3m spacement 1111 pits per hac. (0.25 pr 100 pits and M & S @Rs. 2.24 per 50 pits.	2.78	1076.50	49.77	1126.27	83.40	32294.98	1493.10	33788.08
5	Digging of pits of size 0.45X0.45X0.45 (1111 pits per ha) 6.60 M.D. er 100 pits.	73.33	28395.58	0.00	28395.58	2199.90	851867.28	0.00	851867.28
6	Construction of 5.00 Rmt. Wide inspection Path 1 M.D per 100 Rmt.	1.00	387.23	0.00	387.23	30.00	11616.90	0.00	11616.90
7	Enumeration of all valuable plant species at plantation site and grid wise counting and providing colour band and recording the same in Register (0.75 M.D.) per 100 plants.	0.75	290.42	25.00	315.42	22.50	8712.68	750.00	9462.68
8	Providing and fixing. (4 feet X 3 feet) information board each per site	0.00	0.00	5000.00	5000.00	0.00	0.00	5000.00	5000.00
9	Part Nursery cost of raising 1333 seedlings per ha. (including 20% casualty replacement) in polygons of size 12.50 X 25.00 Cm. (Wages Rs. 11.90 and M&S Rs. 3.62 per plant)	46.71	18087.51	4825.46	22912.97	1401.30	542625.40	144763.80	687389.20
	Total	167.97	65043.02	193263.83	258306.85	5039.10	1951290.69	5652914.90	7604205.59
	Contingency 3%	0	0	7749.2	7749.20	0.00	0.00	228126.16	228126.16
	Labour Welfare 4%	0	0	10332.27	10332.27	0.00	0.00	304168.22	304168.22
	Grand Total	167.97	65043.02	211345.30	276388.32	5039.10	1951290.69	6185209.28	8136499.97

B first Year Operations

1	2	3	4	5	6	7	8	9	10
1	Part Nursery cost for maintanance of 1333 seedling per ha. Rs. 3.77 per seedling (Wages Rs. 2.69 M & S Rs. 0.81)	14.80	5731.00	1079.73	6810.73	444.00	171930.12	32391.90	204322.02
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	7140.52	1944.25	9084.77	553.20	214215.64	58327.50	272543.14
3	Transportation of 1333 seedlings from Nursery to plantation site including loading & unloading (0.14 MD per 1000 seedlings & M.S. Rs. 1.82 Per seedlings)	1.87	724.12	2426.00	3150.12	56.10	21723.60	72780.00	94503.60
4	Planting of 1111 seedlings (1.0 MD. per 100 seedlings)	11.11	4302.13	0.00	4302.13	333.30	129063.76	0.00	129063.76

5	3 Weedlings (1 Rmt circular) and 2 soil workings (4.00 M.D. per 100 seedlings) fertilizer application Rs. 0.82 per seedling.	44.44	17208.50	911.02	18119.52	1333.20	516255.04	27330.60	543585.64
6	Watering 1111 seedlings November and december 1 time each, January to March 2 times each per seeldlings 5 litre water. Purchase of 1111 plastic can of 5 litre / matka @ Rs. 25/- each and 100 litre capacity 11 drums @ Rs. 400 each foor supplying water and water supply at @ Rs. 0.05 per litre and wages for watering 1M .D. for 150 seedings.	59.25	22943.38	54395.00	77338.38	1777.50	688301.33	1631850.00	2320151.33
7	Casulty replacement (20% 222 seedlings per ha.) (2 MD. Per 100 seedlings)	4.44	1719.30	0.00	1719.30	133.20	51579.04	0.00	51579.04
8	Part Nursery cost for casulty replacement in SYO (222 seelings per he.) (wages Rs. 11.90 and material supply Rs. 3.62 Total Rs.a. 12.55 per seeling)	7.77	3008.78	803.64	3812.42	233.10	90263.31	24109.20	114372.51
9	Watch and ward (10 Months-1 wacher per 10 ha.)	27.38	10602.36	0.00	10602.36	821.40	318070.72	0.00	318070.72
10	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	445.31	10.00	455.31	34.50	13359.44	300.00	13659.44
11	Fire tracing	2.00	774.46	0.00	774.46	60.00	23233.80	0.00	23233.80
	Total	192.65	74599.86	61569.64	136169.50	5779.50	2237995.79	1847089.20	4085084.99
	Contingency 3%	0	0	4085.08	4085.08	0.00	0.00	122552.40	122552.40
	Labour Welfare 4%	0	0	5446.78	5446.78	0.00	0.00	163403.40	163403.40
	Grand Total	192.65	74599.86	71101.50	145701.36	5779.50	2237995.79	2133045.00	4371040.79

C. Second Year Operations

1	2	3	4	5	6	7	8	9	10
1	Part Nursery cost for casulty replacement in SYO (222 seelings per he.)labour rate @ Rs. 3.77 and M.S. Rs. 1.82 per seedlings.	2.46	952.59	404.00	1356.59	73.80	28577.57	12120.00	40697.57
2	Transportation of 222 seedlings for Casualty replacement from Nursery to plantation site including loading & unloading (0.14 MD per 100 seedlings & M.S. Rs. 1.82 Per seedlings)	0.31	120.04	404.04	524.08	9.30	3601.24	12121.20	15722.44
3	Planting for casualty replacement 222 seedlings (2.0 MD. per 100 seedlings)	4.44	1719.30	0.00	1719.30	133.20	51579.04	0.00	51579.04

4	2 Weedlings and 1 soil workings with fertilizer application2.5 M.D. per 100 seedlings at M.S. Rs. 0.82 per seedling.	27.77	10753.38	911.02	11664.40	833.10	322601.31	27330.60	349931.91
5	Watering 1111 seedlings in November and december January and june 1 time each and in February to May 2 times each toal 12 tiemes 5 litre per seedlings, replacing 10% plastic can/ matka @ Rs. 25/- each replacing 111 cans /Matka @ Rs. 25/- each replacing 111 cans/ matka. supplying water @ Rs. 0.50 per litre and watering 150 seedlings per M .D.	88.88	34417.00	36105.00	70522.00	2666.40	1032510.07	1083150.00	2115660.07
6	Watch and ward (12 Months-1 wacher per 10 ha.)	36.50	14133.90	0.00	14133.90	1095.00	424016.85	0.00	424016.85
7	Fire tracing	2.00	774.46	0.00	774.46	60.00	23233.80	0.00	23233.80
	Total	162.36	62870.66	37824.06	100694.72	4870.80	1886119.88	1134721.80	3020841.68
	Contingency 3%	0	0	3020.84	3020.84	0.00	0.00	30208.40	30208.40
	Labour Welfare 4%	0	0	4027.78	4027.78	0.00	0.00	40277.80	40277.80
	Grand Total	162.36	62870.66	44872.68	107743.34	4870.80	1886119.88	1205208.00	3091327.88

D. Third Year Operations

1	2	3	4	5	6	7	8	9	10
1	1 Weedings and 1 soil workings (1.50 M.D. per 100 seedlings) applying fertilizer @ Rs. 0.82 per plants.	16.67	6455.12	911.02	7366.14	500.10	193653.72	27330.60	220984.32
2	Watering 556 seedlings in November, december January and june 1 time each and in February to May 2 times each toal 12 times 5 litre water supply @ 0.50/- litre and watering 150 seedlings per M .D.	44.48	17223.99	16680.00	33903.99	1334.40	516719.71	500400.00	1017119.71
3	Watch and ward (12 Months-1 wacher per 10 ha.)	36.50	14133.90	0.00	14133.90	1095.00	424016.85	0.00	424016.85
4	Counting of survival percentage grid wise and species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	60.00	23233.80	750.00	23983.80
5	Fire tracing	2.00	774.46	0.00	774.46	60.00	23233.80	0.00	23233.80
	Total	101.65	39361.93	17616.02	56977.95	3049.50	1180857.89	528480.60	1709338.49
	Contingency 3%	0	0	1709.33	1709.33	0.00	0.00	17093.30	17093.30
	Labour Welfare 4%	0	0	2279.11	2279.11	0.00	0.00	22791.10	22791.10
	Grand Total	101.65	39361.93	21604.46	60966.39	3049.50	1180857.89	568365.00	1749222.89

E. Fourth Year Operations

1	2	3	4	5	6	7	8	9	10
1	Watch and ward (12 Months-1 wacher per 10 ha.	36.50	14133.90	0.00	14133.90	1095.00	424016.85	0.00	424016.85
2	Counting of survival percentage grid wise and species wise and tc Note the same on Register in May and October.	2.00	774.46	25.00	799.46	60.00	23233.80	750.00	23983.80
3	Fire tracing	2.00	774.46	0.00	774.46	60.00	23233.80	0.00	23233.80
	Total	40.50	15682.82	25.00	15707.82	1215.00	470484.45	750.00	471234.45
4	Contingency 3%	0	0	471.23	471.23	0.00	0.00	9424.60	9424.60
5	Labour Welfare 4%	0	0	628.31	628.31	0.00	0.00	12566.20	12566.20
	Grand Total	40.50	15682.82	1124.54	16807.36	1215.00	470484.45	22740.80	493225.25

F. Fifth Year Operation

1	2	3	4	5	6	7	8	9	10
1	Watch and ward (12 Months-1 wacher per 10 ha.)	36.50	14133.90	0.00	14133.90	1095.00	424016.85	0.00	424016.85
2	Counting of survival percentage grid wise and species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	60.00	23233.80	750.00	23983.80
3	Fire tracing	2.00	774.46	0.00	774.46	60.00	23233.80	0.00	23233.80
	Total	40.50	15682.82	25.00	15707.82	1215.00	470484.45	750.00	471234.45
	Contingency 3%	0	0	471.23	471.23	0.00	0.00	9424.60	9424.60
	Labour Welfare 4%	0	0	628.31	628.31	0.00	0.00	12566.20	12566.20
	Grand Total	40.50	15682.82	1124.54	16807.36	1215.00	470484.45	22740.80	493225.25

G. Sixth Year Operation

1	2	3	4	5	6	7	8	9	10
1	Watch and ward (12 Months-1 wacher per 10 ha.)	36.50	14133.90	0.00	14133.90	1095.00	424016.85	0.00	424016.85
2	Counting of survival percentage grid wise and species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	60.00	23233.80	750.00	23983.80
3	Fire tracing	2.00	774.46	0.00	774.46	60.00	23233.80	0.00	23233.80
	Total	40.50	15682.82	25.00	15707.82	1215.00	470484.45	750.00	471234.45
	Contingency 3%	0	0	471.23	471.23	0.00	0.00	9424.60	9424.60
	Labour Welfare 4%	0	0	628.31	628.31	0.00	0.00	12566.20	12566.20
		40.50	15682.82	1124.54	16807.36	1215.00	470484.45	22740.80	493225.25

H. Seventh Year Operation

1	2	3	4	5	6	7	8	9	10
1	Watch and ward (12 Months-1 wacher per 10 ha.)	36.50	14133.90	0.00	14133.90	1095.00	424016.85	0.00	424016.85
2	Counting of survival percentage grid wise and species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	60.00	23233.80	750.00	23983.80
3	Fire tracing	2.00	774.46	0.00	774.46	60.00	23233.80	0.00	23233.80
	Total	40.50	15682.82	25.00	15707.82	1215.00	470484.45	750.00	471234.45
	Contingency 3%	0	0	471.23	471.23	0.00	0.00	9424.60	9424.60
	Labour Welfare 4%	0	0	628.31	628.31	0.00	0.00	12566.20	12566.20
	Grand Total	40.50	15682.82	1124.54	16807.36	1215.00	470484.45	22740.80	493225.25

I. Eighth Year Operation

1	2	3	4	5	6	7	8	9	10
1	Watch and ward (12 Months-1 wacher per 10 ha.)	36.50	14133.90	0.00	14133.90	1095.00	424016.85	0.00	424016.85
2	Counting of survival percentage grid wise and species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	60.00	23233.80	750.00	23983.80
3	Fire tracing	2.00	774.46	0.00	774.46	60.00	23233.80	0.00	23233.80
	Total	40.50	15682.82	25.00	15707.82	1215.00	470484.45	750.00	471234.45
	Contingency 3%	0	0	471.23	471.23	0.00	0.00	9424.60	9424.60
	Labour Welfare 4%	0	0	628.31	628.31	0.00	0.00	12566.20	12566.20
	Grand Total	40.50	15682.82	1124.54	16807.36	1215.00	470484.45	22740.80	493225.25

J. Nineth Year Operation

1	2	3	4	5	6	7	8	9	10
1	Watch and ward (12 Months-1 wacher per 10 ha.)	36.50	14133.90	0.00	14133.90	1095.00	424016.85	0.00	424016.85
2	Counting of survival percentage grid wise and species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	60.00	23233.80	750.00	23983.80
3	Fire tracing	2.00	774.46	0.00	774.46	60.00	23233.80	0.00	23233.80
	Total	40.50	15682.82	25.00	15707.82	1215.00	470484.45	750.00	471234.45
	Contingency 3%	0	0	471.23	471.23	0.00	0.00	9424.60	9424.60
	Labour Welfare 4%	0	0	628.31	628.31	0.00	0.00	12566.20	12566.20
	Grand Total	40.50	15682.82	1124.54	16807.36	1215.00	470484.45	22740.80	493225.25

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K. Tenth Year Operation

1	2	3	4	5	6	7	8	9	10
1	Watch and ward (12 Months-1 wacher per 10 ha.)	36.50	14133.90	0.00	14133.90	1095.00	424016.85	0.00	424016.85
2	Counting of survival percentage grid wise and species wise and to Note the same on Register in May and October.	2.00	774.46	25.00	799.46	60.00	23233.80	750.00	23983.80
3	Fire tracing	2.00	774.46	0.C0	774.46	60.00	23233.80	0.00	23233.80
	Total	40.50	15682.82	25.00	15707.82	1215.00	470484.45	750.00	471234.45
	Contingency 3%	0	0	471.23	471.23	0.00	0.00	9424.60	9424.60
	Labour Welfare 4%	0	0	628.31	628.31	0.00	0.00	12566.20	12566.20
	Grand Total	40.50	15682.82	1124.54	16807.36	1215.00	470484.45	22740.80	493225.25

ABSTRACT FOR MODEL NO.5

(Amount in Rupees)

Sr. No.	Year of Operation	Mandays	Wages	M & S	Total	Other expenses	Total Amount
1	2	3	4	5	6	7	8
1	PMW / PPO Works	5039.10	1951290.69	5652914.90	7604205.59	532294.38	8136499.97
2	First Year Operation	5779.50	2237995.79	1847089.20	4085084.99	285955.80	4371040.79
3	Second Year Operation	4870.80	1886119.88	1134721.80	3020841.68	70486.20	3091327.88
4	Third Year Operation	3049.50	1180857.89	528480.60	1709338.49	39884.40	1749222.89
5	Fourth Yea Operation	1215.00	470484.45	750.00	471234.45	21990.80	493225.25
6	Fifth Year Operation	1215.00	470484.45	750.00	471234.45	21990.80	493225.25
7	Sixth Year Operation	1215.00	470484.45	750.00	471234.45	21990.80	493225.25
8	Seventh Year Operation	1215.00	470484.45	750.00	471234.45	21990.80	493225.25
9	Eighth Year Operation	1215.00	470484.45	750.00	471234.45	21990.80	493225.25
10	Nineth Year Operation	1215.00	470484.45	750.00	471234.45	21990.80	493225.25
11	Tenth Year Operation	1215.00	470484.45	750.00	471234.45	21990.80	493225.25
	Total	**27243.9**	**10549655.4**	**9168456.5**	**19718111.9**	**1082556.38**	**20800668.28**

(S. G. Kavathe)
Range Forest Officer
Vajapur (T.)

(S. U. Shinde)
Asstt. Conservator of Forests
(EGS & CAMPA) Kannad.

(S. V. Mankawar)
Dy. Deputy Conservator of Forests
Aurangabad