"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation to be carried out in lieu of 54.657 Ha. of forest area to be diverted for Up-gradation to2/4 lane with paved shoulder configuration of Gitali to Mosam and Zamela Nalla of NH- 353 C in the State of Maharashtra in_Gadchiroli District.

1. Details of degraded forest land/non-forest land :-
   Degraded land

Sr.No.	District	Taluka	Range	Round	Bit	Comp. No.	Area In Sqmt	Area In Ha.
3	Gadchiroli	Aheri	Markhanda	Rangewahi	Mallera	338	250000	25.00
4	Gadchiroli	Aheri	Markhanda	Rangewahi	Kothari	330	250000	25.00
5	Gadchiroli	Aheri	Aheri	Lagam	Bori	592	100000	10.00
6	Gadchiroli	Aheri	Aheri	Aheri	Tumarguda	593	200000	20.00
					Total Area		**800000**	**80.00**

2. Plantation Model:- Model 5 as per Guidelines selected keeping in view the site conditions
   Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break enclosed (ANNEXURE 1)

NNEXURE 1

Enclosure to Principal Chief Conservator of Forest (HoFF), M. S. Nagpur Letter No. Desk-17/CA/Nodal Cell/CR-40/1127/2019-20, Date 04/10/2019

SCHEME OF COMPENSATORY AFFORESTATION FOR DIVERSION OF

Up-gradation to2/4 lane with paved shoulder configuration of Gitali to Mosam and Zamela Nalla of NH- 353 C in the State of Maharashtra

Model No.5.

Fencing and Irrigated Plantations

Spacement	- 3m x 3m
Size of Pits	0.45 m x 0.45 m x 0.45 m
No. of Seedlings	- 1111 per ha
Wage rate per day in Rs.	418.96

CERTIFICATE-9

Compensatory Afforestation area suitability Certificate (By Deputy Conservator of Forests)

This is to certify that being the Central Government project, degraded forest land to the extent of 110 ha. Identified for compensatory afforestation as under

Sr.No.	District	Taluka	Range	Round	Bit	Comp. No.	Area In Sqmt	Area In Ha.
3	Gadchiroli	Aheri	Markhanda	Rangewahi	Mallera	338	250000	25.00
4	Gadchiroli	Aheri	Markhanda	Rangewahi	Kothari	330	250000	25.00
5	Gadchiroli	Aheri	Aheri	Lagam	Bori	592	100000	10.00
6	Gadchiroli	Aheri	Aheri	Aheri	Tumarguda	593	200000	20.00
					Total Area		**800000**	**80.00**

This is to certify that the said land is found suitable for taking compensatory afforestation . The area is free from encroachment.

Date

Place: Allapalli

(C.R.Tambe)

Deputy Conservator of Forests,

Allaplli Forest Division,Allaplli,

District, Gadchiroli

CA SCHEME IS AS UNDER

Sr.No	Particulars of works	Area proposed for CA in Ha in the compartment				
		Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
	A. Pre Monsoon Works PPO/PYO					
1	(a) Survey and demarcation	1	418.96	91	509.96	Letter Dt. 07/03/2018
	(b) Preparation of treatment map (100 m x 50 m grid)	1	418.96	91	509.96	Item No. 1b
	(c) Digging trial pits of size 0.30x0.30x0.60 in corner of Grid.	0.4	167.58	0	167.584	Item No. 1c
	(d) Fixing 60cm x 0.05cm x12cm cement pillars upto 30cm deep in corner of Grid, painting with Grid No. etc complete (3 pillars, Rs.75/- for each pillrs)	0	0.00	225	225	Item No. 1d
	(e) Clearing of bushes and preparation of site (As per requirement)	10	4189.60	91	4280.6	Item No. 1e
2	Soil and moisture conservation works including collection of rubbles from areas	31	12987.76	0	12987.76	Item No. 2
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 tribal/remote area (by tender process.) (Rs.1494+149+149=1792/- per Rmt (1.60 Rmt height with G.I. Chain link size 50mmx50m, 8 gauge thick and fixed 75mm above ground level	0	0.00	182865.6	182865.6	As per SSR rates 201718 Item No. 1744
4	Alignment of pits at 3m x 3m spacement. 1111 pits per Ha (0.25 per 100 pits and M&S @ Rs. 2.24 per 50 pits.	2.78	1164.71	49.77	1214.4788	Item No. 4
5	Digging of pits of size 0.45 x 0.45 x 0.45 m (1111 pits per ha) 6.60 M.D per 100 pits. Note :- As per local conditions provision for mechanized digging can be made.	73.33	30722.34	0	30722.3368	Item No. 5
6	Construction of 5.00 Rmt wide Inspection Path 1M.D. per 100 Rmt	1	418.96	0	418.96	Item No. 6
7	Emmeration of all valuable plant species at plantation site and grid wise counting and providing color band and recording the same in Register (0.75 M.D.) per 100 plants	0.75	314.22	25	339.22	Item No. 7
8	Providing and fixing (4 feet x 3 feet) information board each per site	0	0.00	5000	5000	Item No. 8
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	19569.62	4825.46	24395.0816	Item No. 9 20% Casualty replacement in place of 10%
	Total	167.97	70372.71	193263.83	263636.5412	0
	Contingency 3%		0.00		7909.10	
	Labour Welfare 4%		0.00		10545.46	
	Grand Total	**167.97**	**70372.71**	**193263.83**	**282091.0991**	

B. First Year Operations						
1	Part Nursery cost for maintenance of 1333 seedling per ha Rs. 3.77 per seedling (Wages Rs.2.69, M & S Rs. 0.81)	14.8	6200.61	1079.73	7280.338	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	7725.62	1944.25	9669.8724	Item No. 2
3	Transportation of 1333 seedlings from Nursery to plantation site including loading & unloading (0.14 M.D. per 100 seedlings & M.S. Rs.1.82 Per seedlings)	1.87	783.46	2426	3209.4552	Item No. 3 10% Extra Plants to be transported
4	Planting of 1111 seedlings (1.0 M.D per 100 seedlings)	11.11	4654.65	0	4654.6456	Item No. 4
5	3 seedlings (1 Rmt circular) and 2 soil workings (4.00 M.D per 100 seedlings) fertilizer application Rs.0.82 per seedling	44.44	18618.58	911.02	19529.6024	Item No. 5
6	Watering 1111 seedlings November and December 1 time each, January to March 2 times each per seedlings 5 litre water, purchase of 1111 plastic can of 5 litre / matka @Rs.25/- each and 100 litre capacity 11 drums @Rs.400/- each for supplying water and water supply at @Rs.0.05 per litre and wages for watering 1 M.D. for 150 seedlings.	59.25	24823.38	54395	79218.38	Item No. 7
7	Casualty replacement (20% 222 Seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	1860.18	0	1860.1824	Item No. 6 20% instead of 10%
8	Part Nursery cost for causality replacement in SYO (222 seedlings per ha.) (wages Rs. 11.90 and material supply Rs.3.62 total Rs.12.55 per seedling.)	7.77	3255.32	803.64	4058.9592	Item No. 8 20% instead of 10%
9	Watch and ward (10 months – 1 watcher per 10 ha)	27.38	11471.12	0	11471.1248	Item No. 9
10	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	481.80	10	491.804	Item No. 10
11	Fire tracing	2	837.92	0	837.92	Item No. 12
Total		**192.65**	**80712.64**	**61569.64**	**142282.284**	
Contingency 3%			0.00		4268.47	
Labour Welfare 4%			0.00		5691.29	
Grand Total		**192.65**	**80712.64**	**61569.64**	**152242.0439**	

C. Second Year Operations						
1	Part nursery cost for seedlings for causality replacement (222 seedlings per ha) labour rate @ Rs.3.77 and M.S. Rs.1.82 per seedlings.	2.46	1030.64	404	1434.64	Letter Dt. 07/03/2018 Irrigated & fencing
2	Transportation of 222 seedlings for causality replacement from nursery to plantation site (including loading and unloading) wages 0.14 M.D Per 100 Seedling & M.S. Rs.1.82 per seedlings	0.31	129.88	404.04	533.92	Item No. 2 20% instead of 10%
3	Planting for casualty replacement 222 seedlings (2.00 M.D. per 100 seedlings)	4.44	1860.18	0	1860.18	Item No. 3 20% instead of 10%
4	2 weedings and 1 soil working, with fertilizer application 2.5 M.D. per 100	27.77	11634.52	911.02	12545.54	Item No. 4
5	Watering 1111 seedlings in November, December, January and June 1 time each and in February to May 2 times each total 12 times 5 litre per seedlings, replacing 10% plastic can / matka @Rs.25/- each replacing 111 cans / matka, supplying water @Rs.0.50/- per litre and watering 150 seedlings per M.D.	88.88	37237.16	36105	73342.16	Item No. 5
6	Watch and ward 12 months -1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Item No. 6
7	Fire tracing	2	837.92	0	837.92	Item No. 8
	Total	**162.36**	**68022.35**	**37824.06**	**105846.41**	
	Contingency 3%		0.00	0	3175.39	
	Labour Welfare 4%		0.00	0	4233.86	
	Grand Total	**162.36**	**68022.35**	**37824.06**	**113255.65**	
D. Third Year Operations						
1	1 weeding and 1 soil working (1.50 M.D per 100 seedlings) applying fertilizer @ Rs.0.82 per plant.	16.67	6984.06	911.02	7895.0832	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Watering 556 seedlings in November, December, January and June 1 time each and February to May 2 times each total 12 times per seedlings 5 litre, water supply @Rs.0.50/- litre and watering 150 seedlings per M.D.	44.48	18635.34	16680	35315.34	Item No. 2
3	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Item No. 3
4	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 5
5	Fire tracing	2	837.92	0	837.92	Item No. 6
	Total	**101.65**	**42587.28**	**17616.02**	**60203.30**	
	Contingency 3%		0.00		1806.10	
	Labour Welfare 4%		0.00		2408.13	
	Grand Total	**101.65**	**42587.28**	**17616.02**	**64417.5**	

E. Fourth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	837.92	0	837.92	Item No. 3
	Total	**40.5**	**16967.88**	**25**	**16992.88**	
	Contingency 3%		0.00		509.79	
	Labour Welfare 4%		0.00		679.72	
	Grand Total	**40.5**	**16967.88**	**25**	**18182.38**	

F. Fifth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	780.76	0	780.76	Item No. 3
	Total	**40.5**	**16910.72**	**25**	**16935.72**	
	Contingency 3%		0.00		508.07	
	Labour Welfare 4%		0.00		677.43	
	Grand Total	**40.5**	14611.19	**25**	**18121.22**	

G. Sixth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	780.76	0	780.76	Item No. 3
	Total	**40.5**	**16910.72**	**25**	**16935.72**	
	Contingency 3%		0.00		508.07	
	Labour Welfare 4%		0.00		677.43	
	Grand Total	**40.5**	**16910.72**	**25**	**18121.22**	

H. Seventh Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	780.76	0	780.76	Item No. 3
	Total	**40.5**	**16910.72**	**25**	**16935.72**	
	Contingency 3%		0.00		508.07	
	Labour Welfare 4%		0.00		677.43	
	Grand Total	**40.5**	**16910.72**	**25.00**	**18121.22**	
I. Eighth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated &
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	837.92	0	837.92	Item No. 3
	Total	**40.5**	**16967.88**	**25.00**	**16992.88**	
	Contingency 3%		0.00		509.79	
	Labour Welfare 4%		0.00		679.72	
	Grand Total	**40.5**	**16967.88**	**25.00**	**18182.38**	
J. Ninth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	837.92	0	837.92	Item No. 3
	Total	**40.5**	**16967.88**	**25.00**	**16992.88**	
	Contingency 3%		0.00		509.79	
	Labour Welfare 4%		0.00		679.72	
	Grand Total	**40.5**	**16967.88**	**25.00**	**18182.38**	
K. Tenth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	837.92	0	837.92	Item No. 3
	Total	**40.5**	**16967.88**	**25.00**	**16992.88**	
	Contingency 3%		0.00		509.79	
	Labour Welfare 4%		0.00		679.72	
	Grand Total	**40.5**	**16967.88**	**25.00**	**18182.38**	

Abstract for Model No.5

Up-gradation to2/4 lane with paved shoulder configuration of Gitali to Mosam and Zamela

TOTAL AREA TO BE DIVERTRED 54.657 CA PROPOSED ON 109.314 HA

Fencing and Irrigated Plantations

Spacement	- 3m x 3m
Size of Pits	0.45 m x 0.45 m x 0.45 m
No. of Seedlings	- 1111 per ha
Wage rate per day in Rs.	418.96

S. N.	Year of operation	Man days	Wages	Material supply	Total per ha cost	TOTAL COST OF
1	Pre Monsoon works	167.97	70372.71	193263.83	282091.10	22567288
2	First Year Operations	192.65	80712.64	61569.64	152242.04	12179364
3	Second Year Operations	162.36	68022.35	37824.06	113255.65	9060452
4	Third Year Operations	101.65	42587.28	17616.02	64417.54	5153403
5	Fourth Year Operations	40.50	16967.88	25.00	18182.38	1454591
6	Fifth Year Operations	40.50	14611.19	25.00	18121.22	1449698
7	Sixth Year Operations	40.50	16910.72	25.00	18121.22	1449698
8	Seventh Year Operations	40.50	16910.72	25.00	18121.22	1449698
9	Eighth Year Operations	40.50	16967.88	25.00	18182.38	1454591
10	Nineth Year Operations	40.50	16967.88	25.00	18182.38	1454591
11	Tenth Year Operations	40.50	16967.88	25.00	18182.38	1454591
	Total	**908.13**	**377999.13**	**310448.55**	**739099.52**	**59127962**

Project Proponent

Dy. Conservator of Forests

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation to be carried out in lieu of 54.657 Ha. of forest area to be diverted for Up-gradation to2/4 lane with paved shoulder configuration of Gitali to Mosam and Zamela Nalla of NH- 353 C in the State of Maharashtra in_Gadchiroli District.

1. Details of degraded forest land/non-forest land :-
   Degraded land

CA SCHEME FOR

Up-gradation to2/4 lane with paved shoulder configuration of Gitali to Mosam and Zamela Nalla of NH- 353 C in the State of Maharashtra

LAND OF COMPENSATORY AFFORESTION IN ALLAPALLI WILD LIFE DIVISION

Sr.No	District	Taluka	Range	Round	Bit	Comp. No.	Area in Sqmt	Area in Ha.
3	Gadchiroli	Aheri	Chudampalli	Chudampalli	Chudampalli	283	120000	12.00
4	Gadchiroli	Aheri	Chudampalli	Chudampalli	Chudampalli	284	100000	10.00
5	Gadchiroli	Aheri	Chudampalli	Chudampalli	Lagam	292	55000	5.50
6	Gadchiroli	Aheri	Chudampalli	Chudampalli	Lagam	292	45000	4.50
					Total Area		**320000**	**32.00**

2. Plantation Model:- Model 5 as per Guidelines selected keeping in view the site conditions
   Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break enclosed (ANNEXURE 1)

NNEXURE 1

Enclosure to Principal Chief Conservator of Forest (HoFF), M. S. Nagpur Letter No. Desk-17/CA/Nodal Cell/CR-40/1127/2019-20, Date 04/10/2019

SCHEME OF COMPENSATORY AFFORESTATION FOR DIVERSION OF

Up-gradation to2/4 lane with paved shoulder configuration of Gitali to Mosam and Zamela Nalla of NH- 353 C in the State of Maharashtra

Model No.5.

Fencing and Irrigated Plantations

Spacement	- 3m x 3m
Size of Pits	0.45 m x 0.45 m x 0.45 m
No. of Seedlings	- 1111 per ha
Wage rate per day in Rs.	418.96

CERTIFICATE-9

Compensatory Afforestation area suitability Certificate (By Sub Divisional Forest Officer)

This is to certify that being the Central Government project, degraded forest land to the extent of 32 ha. Identified for compensatory afforestation as under

CA SCHEME FOR

Up-gradation to2/4 lane with paved shoulder configuration of Gitali to Mosam and Zamela Nalla of NH- 353 C in the State of Maharashtra

LAND OF COMPENSATORY AFFORESTION IN ALLAPALLI WILD LIFE DIVISION

Sr.No	District	Taluka	Range	Round	Bit	Comp. No.	Area In Sqmt	Area In Ha.
3	Gadchiroli	Aheri	Chudampalli	Chudampalli	Chudampalli	283	120000	12.00
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5	Gadchiroli	Aheri	Chudampalli	Chudampalli	Lagam	292	55000	5.50
6	Gadchiroli	Aheri	Chudampalli	Chudampalli	Lagam	292	45000	4.50
					Total Area		**320000**	**32.00**

This is to certify that the said land is found suitable for taking compensatory afforestation . The area is free from encroachment.

Date

Place: Allapalli

(R.S TOLIA IFS)

Sub Divisional Officer (WL)

Allapalli

CA SCHEME IS AS UNDER

Sr.No	Particulars of works	Area proposed for CA in Ha in the compartment Man days	Wages	Material supply	Total (Rs. Per Ha.)	Sanction Letter Dt. / Model No. / Item No.
	A. Pre Monsoon Works PPO/PYO					
1	(a) Survey and demarcation	1	418.96	91	509.96	Letter Dt. 07/03/2018
	(b) Preparation of treatment map (100 m x 50 m grid)	1	418.96	91	509.96	Item No. 1b
	(c) Digging trial pits of size 0.30x0.30x0.60 in corner of Grid.	0.4	167.58	0	167.584	Item No. 1c
	(d) Fixing 60cm x 0.05cm x12cm cement pillars upto 30cm deep in corner of Grid, painting with Grid No. etc complete (3 pillars, Rs.75/- for each pillrs)	0	0.00	225	225	Item No. 1d
	(e) Clearing of bushes and preparation of site (As per requirement)	10	4189.60	91	4280.6	Item No. 1e
2	Soil and moisture conservation works including collection of rubbles from areas	31	12987.76	0	12987.76	Item No. 2
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 tribal/remote area (by tender process.) (Rs.1494+149+149=1792/- per Rmt (1.60 Rmt height with G.I. Chain link size 50mmx50m, 8 gauge thick and fixed 75mm above ground level	0	0.00	182865.6	182865.6	As per SSR rates 201718 Item No. 1744
4	Alignment of pits at 3m x 3m spacement. 1111 pits per Ha (0.25 per 100 pits and M&S @ Rs. 2.24 per 50 pits.	2.78	1164.71	49.77	1214.4788	Item No. 4
5	Digging of pits of size 0.45 x 0.45 x 0.45 m (1111 pits per ha) 6.60 M.D per 100 pits. Note :- As per local conditions provision for mechanized digging can be made.	73.33	30722.34	0	30722.3368	Item No. 5
6	Construction of 5.00 Rmt wide Inspection Path 1M.D. per 100 Rmt	1	418.96	0	418.96	Item No. 6
7	Enumeration of all valuable plant species at plantation site and grid wise counting and providing color band and recording the same in Register (0.75 M.D.) per 100 plants	0.75	314.22	25	339.22	Item No. 7
8	Providing and fixing (4 feet x 3 feet) information board each per site	0	0.00	5000	5000	Item No. 8
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	19569.62	4825.46	24395.0816	Item No. 9 20% Casualty replacement in place of 10%
	Total	167.97	70372.71	193263.83	263636.5412	0
	Contingency 3%		0.00		7909.10	
	Labour Welfare 4%		0.00		10545.46	
	Grand Total	**167.97**	**70372.71**	**193263.83**	**282091.0991**	

B. First Year Operations						
1	Part Nursery cost for maintenance of 1333 seedling per ha Rs. 3.77 per seedling (Wages Rs.2.69, M & S Rs. 0.81)	14.8	6200.61	1079.73	7280.338	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Refilling of pits by good quality soil including application of single super phosphate (1.66 MD per 100 pits)	18.44	7725.62	1944.25	9669.8724	Item No. 2
3	Transportation of 1333 seedlings from Nursery to plantation site including loading & unloading (0.14 M.D. per 100 seedlings & M.S. Rs.1.82 Per seedlings)	1.87	783.46	2426	3209.4552	Item No. 3 10% Extra Plants to be transported
4	Planting of 1111 seedlings (1.0 M.D per 100 seedlings)	11.11	4654.65	0	4654.6456	Item No. 4
5	3 seedlings (1 Rmt circular) and 2 soil workings (4.00 M.D per 100 seedlings) fertilizer application Rs.0.82 per seedling	44.44	18618.58	911.02	19529.6024	Item No. 5
6	Watering 1111 seedlings November and December 1 time each, January to March 2 times each per seedlings 5 litre water, purchase of 1111 plastic can of 5 litre / matka @Rs.25/- each and 100 litre capacity 11 drums @Rs.400/- each for supplying water and water supply at @Rs.0.05 per litre and wages for watering 1 M.D. for 150 seedlings.	59.25	24823.38	54395	79218.38	Item No. 7
7	Casualty replacement (20% 222 Seedlings per ha.) (2 M.D. per 100 seedlings)	4.44	1860.18	0	1860.1824	Item No. 6 20% instead of 10%
8	Part Nursery cost for causality replacement in SYO (222 seedlings per ha.) (wages Rs. 11.90 and material supply Rs.3.62 total Rs.12.55 per seedling.)	7.77	3255.32	803.64	4058.9592	Item No. 8 20% instead of 10%
9	Watch and ward (10 months – 1 watcher per 10 ha)	27.38	11471.12	0	11471.1248	Item No. 9
10	Soil working for naturally grower plants and singling (1.15 M.D. per 100 plants)	1.15	481.80	10	491.804	Item No. 10
11	Fire tracing	2	837.92	0	837.92	Item No. 12
Total		**192.65**	**80712.64**	**61569.64**	**142282.284**	
Contingency 3%			0.00		4268.47	
Labour Welfare 4%			0.00		5691.29	
Grand Total		**192.65**	**80712.64**	**61569.64**	**152242.0439**	

C. Second Year Operations						
1	Part nursery cost for seedlings for causality replacement (222 seedlings per ha) labour rate @ Rs.3.77 and M.S. Rs.1.82 per seedlings.	2.46	1030.64	404	1434.64	Letter Dt. 07/03/2018 Irrigated & fencing
2	Transportation of 222 seedlings for causality replacement from nursery to plantation site (including loading and unloading) wages 0.14 M.D Per 100 Seedling & M.S. Rs.1.82 per seedlings	0.31	129.88	404.04	533.92	Item No. 2 20% instead of 10%
3	Planting for casualty replacement 222 seedlings (2.00 M.D. per 100 seedlings)	4.44	1860.18	0	1860.18	Item No. 3 20% instead of 10%
4	2 weedings and 1 soil working, with fertilizer application 2.5 M.D. per 100	27.77	11634.52	911.02	12545.54	Item No. 4
5	Watering 1111 seedlings in November, December, January and June 1 time each and in February to May 2 times each total 12 times 5 litre per seedlings, replacing 10% plastic can / matka @Rs.25/- each replacing 111 cans / matka, supplying water @Rs.0.50/- per litre and watering 150 seedlings per M.D.	88.88	37237.16	36105	73342.16	Item No. 5
6	Watch and ward 12 months -1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Item No. 6
7	Fire tracing	2	837.92	0	837.92	Item No. 8
	Total	**162.36**	**68022.35**	**37824.06**	**105846.41**	
	Contingency 3%		0.00	0	3175.39	
	Labour Welfare 4%		0.00	0	4233.86	
	Grand Total	**162.36**	**68022.35**	**37824.06**	**113255.65**	
D. Third Year Operations						
1	1 weeding and 1 soil working (1.50 M.D per 100 seedlings) applying fertilizer @ Rs.0.82 per plant.	16.67	6984.06	911.02	7895.0832	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Watering 556 seedlings in November, December, January and June 1 time each and February to May 2 times each total 12 times per seedlings 5 litre, water supply @Rs.0.50/- litre and watering 150 seedlings per M.D.	44.48	18635.34	16680	35315.34	Item No. 2
3	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Item No. 3
4	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 5
5	Fire tracing	2	837.92	0	837.92	Item No. 6
	Total	**101.65**	**42587.28**	**17616.02**	**60203.30**	
	Contingency 3%		0.00		1806.10	
	Labour Welfare 4%		0.00		2408.13	
	Grand Total	**101.65**	**42587.28**	**17616.02**	**64417.5**	

E. Fourth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	837.92	0	837.92	Item No. 3
	Total	**40.5**	**16967.88**	**25**	**16992.88**	
	Contingency 3%		0.00		509.79	
	Labour Welfare 4%		0.00		679.72	
	Grand Total	**40.5**	**16967.88**	**25**	**18182.38**	
F. Fifth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	780.76	0	780.76	Item No. 3
	Total	**40.5**	**16910.72**	**25**	**16935.72**	
	Contingency 3%		0.00		508.07	
	Labour Welfare 4%		0.00		677.43	
	Grand Total	**40.5**	14611.19	**25**	**18121.22**	
G. Sixth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	780.76	0	780.76	Item No. 3
	Total	**40.5**	**16910.72**	**25**	**16935.72**	
	Contingency 3%		0.00		508.07	
	Labour Welfare 4%		0.00		677.43	
	Grand Total	**40.5**	**16910.72**	**25**	**18121.22**	

H. Seventh Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	780.76	0	780.76	Item No. 3
	Total	**40.5**	**16910.72**	**25**	**16935.72**	
	Contingency 3%		0.00		508.07	
	Labour Welfare 4%		0.00		677.43	
	Grand Total	**40.5**	**16910.72**	**25.00**	**18121.22**	
I. Eighth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated &
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	837.92	0	837.92	Item No. 3
	Total	**40.5**	**16967.88**	**25.00**	**16992.88**	
	Contingency 3%		0.00		509.79	
	Labour Welfare 4%		0.00		679.72	
	Grand Total	**40.5**	**16967.88**	**25.00**	**18182.38**	
J. Ninth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	837.92	0	837.92	Item No. 3
	Total	**40.5**	**16967.88**	**25.00**	**16992.88**	
	Contingency 3%		0.00		509.79	
	Labour Welfare 4%		0.00		679.72	
	Grand Total	**40.5**	**16967.88**	**25.00**	**18182.38**	
K. Tenth Year Operations						
1	Watch and ward 12 months 1 watcher per 10.00 ha	36.5	15292.04	0	15292.04	Letter Dt. 07/03/2018 Irrigated & fencing Plantation Model no. 1 Item No. 1
2	Counting of survival percentage Grid wise and Species wise and to Note the same on Register in May and October.	2	837.92	25	862.92	Item No. 2
3	Fire tracing	2	837.92	0	837.92	Item No. 3
	Total	**40.5**	**16967.88**	**25.00**	**16992.88**	
	Contingency 3%		0.00		509.79	
	Labour Welfare 4%		0.00		679.72	
	Grand Total	**40.5**	**16967.88**	**25.00**	**18182.38**	

Abstract for Model No.5

Up-gradation to2/4 lane with paved shoulder configuration of Gitali to Mosam and Zamela

TOTAL AREA TO BE DIVERTRED 54.657 CA PROPOSED ON 109.314 HA

Fencing and Irrigated Plantations

Spacement	- 3m x 3m
Size of Pits	0.45 m x 0.45 m x 0.45 m
No. of Seedlings	- 1111 per ha
Wage rate per day in Rs.	418.96

AREA 29.348 HA FROM ALLAPALLI WILD LIFE DIVISION

S. N.	Year of operation	Man days	Wages	Material supply	Total per ha cost	TOTAL COST OF
1	Pre Monsoon works	167.97	70372.71	193263.83	282091.10	8278810
2	First Year Operations	192.65	80712.64	61569.64	152242.04	4468000
3	Second Year Operations	162.36	68022.35	37824.06	113255.65	3323827
4	Third Year Operations	101.65	42587.28	17616.02	64417.54	1890526
5	Fourth Year Operations	40.50	16967.88	25.00	18182.38	533617
6	Fifth Year Operations	40.50	14611.19	25.00	18121.22	531822
7	Sixth Year Operations	40.50	16910.72	25.00	18121.22	531822
8	Seventh Year Operations	40.50	16910.72	25.00	18121.22	531822
9	Eighth Year Operations	40.50	16967.88	25.00	18182.38	533617
10	Nineth Year Operations	40.50	16967.88	25.00	18182.38	533617
11	Tenth Year Operations	40.50	16967.88	25.00	18182.38	533617
	Total	**908.13**	**377999.13**	**310448.55**	**739099.52**	**21691093**

Sub Divisional Forest Officer (Wild Life) Allapalli.

Sub Divisional Officer Wild life Division Allapalli

Project Proponent

Dy. Conservator of Forests