

4.10.4. CAMPA plantations:

The CAMPA plantation monitoring for the year 2017-18, 2018-19, 2019-20 and 2020-21 has already been undertaken by GFD, hence, are not sampled as advised by GFD except for the year 2021-22 and not considered for analysis. However, the plantations for the year 2021-22 were sampled and are analyzed.

5.9.0 CAMPA plantations:

It is about third-party monitoring of plantation and other works carried out under CAMPA Funds by Gujarat Forest Department (GFD) in the State of Gujarat. The guidelines on State Compensatory Afforestation Fund Management and Planning Authority (State CAMPA) have been issued by Ministry of Environment and Forest, Government of India, on 2nd July 2009. These Guidelines are to establish CAMPAs in the States/UTs and putting in place a funding mechanism for enhancing forest and tree cover and conservation and management of wildlife by utilizing funds received towards Compensatory Afforestation, Net Present Value (NPV), etc., which are available with the Adhoc CAMPA.

5.9.1. Core principles:

The overarching objectives and core principles brought out by MoEF are as under.

5.9.1.1. An Authority to be known as the "State Compensatory Afforestation Fund Management and Planning Authority" (State CAMPA) is intended as an instrument to accelerate activities for preservation of natural forests, management of wildlife, infrastructure development in the sector and other allied works.

5.9.1.2. The State CAMPA would presently receive monies collected from user agencies towards compensatory afforestation, additional compensatory afforestation, penal compensatory afforestation, Net Present Value (NPV) and all other amounts recovered from such agencies under the Forest (Conservation) Act, 1980 and presently lying with the Adhoc CAMPA.

5.9.1.3. The State CAMPA would administer the amount received from the Adhoc CAMPA and utilize the monies collected for undertaking compensatory afforestation, assisted natural regeneration, conservation and protection of forests, infrastructure development, wildlife conservation and protection and other related activities and for matters connected therewith or incidental thereto.

5.9.1.4. State CAMPA would serve as a common repository of funds accruing on account of compensatory afforestation and NPV. It would deploy funds as per guidelines governing the use of funds for conservation, protection and management of forests. The amounts would also be deployed for wildlife preservation and enhancement of wildlife habitats.

5.9.1.5. State CAMPA would provide an integrated framework for utilizing multiple sources of funding and activities relating to protection and management of forests and wildlife. Its prime task would be regenerating natural forests and building up the institution engaged in this work in the State Forest Department including training of the forest officials of various levels with an emphasis on training of the staff at cutting edge level (forest range level). The amount received by it will also

be utilized for providing residential accommodation to the field staff and necessary machines and equipment to them. These include appropriate arrangement for their conveyance during inspections and protection duty. In short, the department would be modernized to protect and regenerate the forests and wildlife habitat.

5.9.1.6. The State CAMPA may decide to utilize a minor part of its funds for contractual engagement of personnel wherever there is shortage of personnel. This should be done cautiously to avoid recurring revenue expenditure on the State Government. It may also take up State-specific activity relevant to the State, in keeping with the core objectives.

5.9.1.7. The State CAMPA would also promote a voluntary movement of youth and students for supporting conservation activities initiated/ongoing in the State Forest Department.

5.9.1.8. Aims and Objectives State CAMPA shall seek to promote:

- (a) conservation, protection, regeneration and management of existing natural forests;
- (b) conservation, protection and management of wildlife and its habitat within and outside protected areas including the consolidation of the protected areas;
- (c) compensatory afforestation;
- (d) environmental services, which include:
 - (i) provision of goods such as wood, non-timber forest products, fuel, fodder and water, and provision of services such as grazing, tourism, wildlife protection and life support;
 - (ii) regulating services such as climate regulation, disease control, flood moderation, detoxification, carbon sequestration and health of soils, air and water regimes;
 - (iii) non-material benefits obtained from ecosystems, spiritual, recreational, aesthetic, inspirational, educational and symbolic; and
 - (iv) supporting such other services necessary for the production of ecosystem services, biodiversity, nutrient cycling and primary production.
- (e) Research, training and capacity building.

5.9.1.9. The Functions of State CAMPA shall include, *inter alia* –

- (i) funding, overseeing and promoting compensatory afforestation done in lieu of diversion of forest land for non-forestry use under the Forest (Conservation) Act, 1980
- (ii) overseeing forest and wildlife conservation and protection works within forest areas undertaken and financed under the program.
- (iii) maintaining a separate account in respect of the funds received for conservation and protection of Protected Areas.
- (iv) creating transparency for the program and mobilizing citizen support; and
- (v) earmarking up to two percent of the funds for monitoring and evaluation.

5.9.1.10. Establishment of a State CAMPA

The State Government may establish the Compensatory Afforestation Fund Management and Planning Authority (State CAMPA) in the State.

5.9.2. State CAMPA:

In view of MoEF guidelines, the State Government of Gujarat have constituted the State Compensatory Afforestation Fund Management and Planning Authority (State CAMPA), and Steering committee and Executive committee under State CAMPA *vide* GR -102008-GOI-163-F dated 26th August 2009.

5.9.2.1. Over a period of time, compensatory afforestation works and other forest management activities have been undertaken, annually, under CAMPA, by Gujarat Forest Department (GFD) in various district of Gujarat State.

5.9.2.2. CAMPA guidelines provide for undertaking “Third party monitoring of compensatory afforestation and other activities undertaken with CAMPA funds”. In view of the same, GFD planned to undertake monitoring of afforestation and other works through experienced and reputed Government or non-government organization or reputed and experience people. The selection of such organization was through online tendering process. Multi Mantech International Pvt. Ltd. Ahmedabad was one of the candidates in online tendering process.

5.9.3. Plantation site of Forest Division:

CAMPA sample sites of current year 2021-22 are presented in **Table 5.27**. This Table indicate GFD wing, circle division, range, location, area, plantation model etc. There are total 21 sites which includes 16 territorial, 4 wildlife and one SF sites.

5.9.4. Performance output of divisions having CAMPA plantations:

Current year CAMPA model performance grading of division is presented in **Table 5.28**. The plantation of the year 2021-22 is graded as “very good”.

Observation: In addition, to use CAMPA funds for territorial works, they can be used for development of wildlife areas also. With such flexibility, detailed planning could be done for protection of large areas with SMC works and rubble wall to promote natural vegetation. Such works would also promote habitat improvement for wildlife. Secondly, only barren forest areas could be given priority. Also, area likely to take time for treatment to cover under working plan provisions could be targeted for CAMPA works.

Table: 5.27.

CAMPA sample sites of current year 2021-22

Sr. No.	Wing	P-Code	Circle	Division	Range	Location	Area ha	Plantation model	Plantation model (grouped)
1	D & M	P-67	Valsad	Valsad North	Vansad West	Kandolpada	24	M-3	CAMPA
2	D & M	P-87	Valsad	Valsad South	Nanapondha	Nalimadhni	119	M-III	CAMPA
3	D & M	P-122	Surat	Surat	Mandavi South	Parvat	15	Greening of Barren Hill	CAMPA
4	D & M	P-187	Vadodara	Baria	Dahod	Navagam	1	MFP-1	CAMPA
5	D & M	P-211	Vadodara	Chhotaudepur	Rangpur	Harpalpura	20	Model-3	CAMPA
6	D & M	P-219	Vadodara	Godhra	Godhra West	Samli	40	Model-3	CAMPA
7	D & M	P-244	Vadodara	Mahisagar	Santrampur (West)	Sant Maatero	25	Model-3	CAMPA
8	D & M	P-259	Gandhinagar	Aravalli	Modasa	Sakariya	20	Plantation Work	CAMPA
9	D & M	P-279	Gandhinagar	Gandhinagar	Dharoi	Talegad-23/9	11.7	C-1	CAMPA
10	D & M	P-340	Junagadh	Bhavnagar	Mahuva	Khandhera	100	Mangrove Plantation (DF 8)	CAMPA
11	D & M	P-353	Junagadh	Jamnagar	R.F.W. Kalyanpur	Keshavpur (Gojinesh)	9.46	Additional Condition Guggle Plantation - CAMPA	CAMPA
12	D & M	P-370	Junagadh	Morbi	Wankaner	Jivapar1	67	Model-3	CAMPA
13	D & M	P-379	Junagadh	Surendranagar	Muli	Gadhada	15	Model-3	CAMPA
14	D & M	P-387	Kutch	Kutch East	Adesar	Sanva	12.72	CAMPA	CAMPA
15	D & M	P-493	Kutch	Kutch West	Naliya (S)	Dhufi Nani	7.22	G.I.B.	CAMPA
16	D & M	P-551	Kutch	Patan	Radhanpur	Arajansar	20	Gramvatika (irrigated) Model G-1	CAMPA
17	WL	P-581	Vadodara WL	Narmada	Dediapada	Besna	25	CAMPA	CAMPA
18	WL	P-609	Gandhinagar WL	Banaskantha	Danta East	Model-2	17	Mankadchampa	CAMPA
19	WL	P-618	Junagadh WL	Gir East	Sarasiya	Bharad R.F. S.R.No.43	0.98	R-2	CAMPA
20	WL	P-621	Junagadh WL	Porbandar	Ranavav	Ranavav Survey No.564	22	Model-3	CAMPA
21	SF	P-1457	Ahmedabad	Ahmedabad	Dholera	Navagamkarna	14	R-2	CAMPA

Table 5.28.
Current year CAMPA model performance grading of division

Wing	Zone	Circle	Division	Plantation Model	Number of Plants Planted	Number of Plants Survived	Average Field Height (cm)	Survival %	Zonal Survival % Grade	Zonal Height % as per Norms-Wtd	Zonal height grade	Pltn . Register (5)	Trea t. map (5)	Survival % (45)	Height % (45)	Total Mark (100)	Plantation Grading (Final)
D & M	South	Valsad	Valsad South	M-III	132209	117666	120.29	89.00%	Excellent	142.85	Excellent	3	3	45	45	96	Excellent
			Valsad North	M-3	26664	22912	107.42	85.93%	Excellent	126.29	Excellent	3	3	45	45	96	Excellent
		Valsad Total			158873	140578	113.86	88.48%	Excellent	134.57	Excellent	3	3	45	45	96	Excellent
D & M	South	Surat	Surat	Greening of Beran Hill	24000	20726	112.06	86.36%	Excellent	143.31	Excellent	4	3	45	45	97	Excellent
		Surat Total			24000	20726	112.06	86.36%	Excellent	143.31	Excellent	4	3	45	45	97	Excellent
D & M	Central	Vadodara	Chhotaudepur	Model-3	22220	19956	135.76	89.81%	Excellent	165.58	Excellent	4	4	45	45	98	Excellent
			Godhra	Model-3								0	0	0	0	0	Poor
			Baria	MFP-1	2000	1289	91.45	64.45%	Good	108.31	Very good	4	3	23	45	75	Very good
			Mahisagar	Model-3	27775	19165	105.18	69.00%	Very good	124.08	Very good	3	3	34	45	85	Very good
		Vadodara Total			51995	40410	110.80	77.72%	Very good	132.65	Excellent	3	3	26	34	65	Very good
D & M	Central	Gandhinagar	Gandhinagar	C-1	24900	14518	108.62	58.31%	Good	138.81	Excellent	3	3	23	45	74	Very good
		Gandhinagar Total			24900	14518	108.62	58.31%	Good	138.81	Excellent	3	3	23	45	74	Very good
D & M	North	Gandhinagar	Aravalli	Plantation Work	8880	5328	93.75	60.00%	Good	144.73	Excellent	3	3	23	45	74	Very good
		Gandhinagar Total			8880	5328	93.75	60.00%	Good	144.73	Excellent	3	3	23	45	74	Very good
D & M	Saurashtra	Junagadh	Bhavnagar	Mangrove Plantation (DF 8)	200000	101840	65.00	50.92%	Good	130.00	Excellent	3	4	23	45	75	Very good
			Jamnagar	Additional Condition Guggle Plantation - CAMPA	10507	6343	88.40	60.37%	Good	155.10	Excellent	3	3	23	45	74	Very good
			Morbi	Model-3	79458	51853	98.92	65.26%	Good	154.83	Excellent	3	3	23	45	74	Very good

			Surendranagar	Model-3	16665	11822	123.40	70.94%	Very good	186.21	Excellent	3	3	34	45	85	Very good
		Junagadh Total			306630	171858	93.93	56.05%	Good	156.54	Excellent	3	3	26	45	77	Very good
D & M	Saurashtra	Kutch	Patan	Gramvatika (Irri) Model G-1								0	0	0	0	0	Poor
		Kutch Total										0	0	0	0	0	Poor
D & M	Kutch	Kutch	Kutch East	CAMPA	14852	9155	81.25	61.64%	Good	162.50	Excellent	3	3	23	45	74	Very good
			Kutch West	G.I.B.	1447	1123	69.00	77.61%	Excellent	106.15	Very good	3	0	45	45	93	Excellent
		Kutch Total			16299	10278	75.13	63.06%	Very good	134.33	Excellent	3	2	34	45	84	Very good
D & M Total					591577	403696	100.04	68.24%	Very good	142.05	Excellent	3	3	28	39	73	Very good
WL	South	Vadodara WL	Narmada	CAMPA	39971	35709	124.62	89.34%	Excellent	147.98	Excellent	3	2	45	45	95	Excellent
		Vadodara WL Total			39971	35709	124.62	89.34%	Excellent	147.98	Excellent	3	2	45	45	95	Excellent
WL	North	Gandhinagar WL	Banaskantha	Mankadchampa	14586	11893	123.86	81.54%	Excellent	182.30	Excellent	3	2	45	45	95	Excellent
		Gandhinagar WL Total			14586	11893	123.86	81.54%	Excellent	182.30	Excellent	3	2	45	45	95	Excellent
WL	Saurashtra	Junagadh WL	Porbandar	Model-3	24442	20697	125.00	84.68%	Excellent	194.63	Excellent	3	3	45	45	96	Excellent
			Gir East	R-2	1940	800	69.29	41.24%	Poor	105.71	Very good	3	2	11	45	61	Very good
WL	Saurashtra	Junagadh WL Total			26382	21497	97.14	81.48%	Good	150.17	Excellent	3	3	28	45	79	Very good
WL Total					80939	69099	110.69	85.37%	Very good	157.65	Excellent	3	2	37	45	87	Very good
SF	Central	Ahmedabad	Ahmedabad	R-2	23324	16218	102.83	69.53%	Very good	177.71	Excellent	3	3	34	45	85	Very good
		Ahmedabad Total			23324	16218	102.83	69.53%	Very good	177.71	Excellent	3	3	34	45	85	Very good
SF Total					23324	16218	102.83	69.53%	Very good	177.71	Excellent	3	3	34	45	85	Very good
Grand Total					695840	489013	102.43	70.28%	Very good	147.21	Excellent	3	3	30	41	76	Very good

