

## APPENDIX I

(Reference: Paragraph No. 1.7.1)

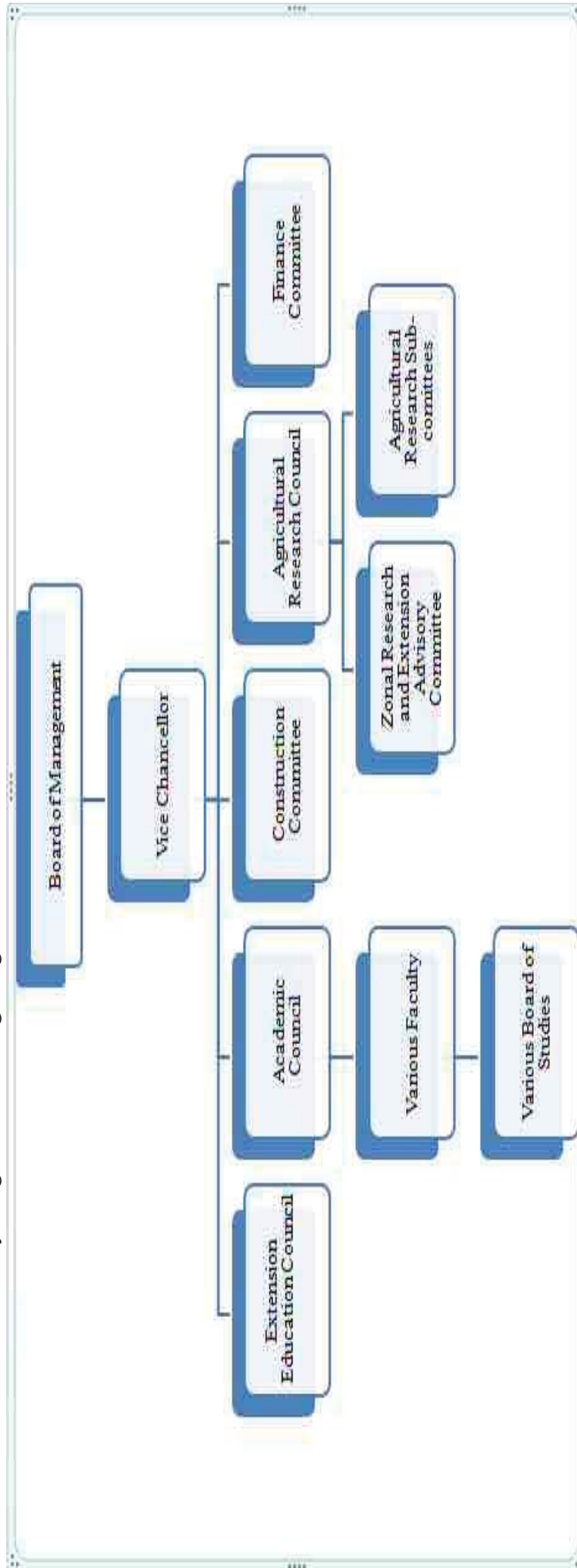
## Year-wise breakup of outstanding Inspection Reports as on 30 September 2019

Sl. No.	Department	Upto 2014-15		2015-16		2016-17		2017-18		2018-19		Total	
		IR	Para	IR	Para	IR	Para	IR	Para	IR	Para	IR	Para
1.	Agriculture & Co-operation	41	128	18	75	16	55	16	84	14	81	105	423
2.	Energy and Petrochemicals	2	8	2	9	1	6	2	7	0	0	7	30
3.	Forests and Environment	12	17	3	3	10	37	13	70	13	73	51	200
4.	Industries & Mines	30	115	13	59	13	63	15	62	19	124	90	423
5.	Narmada, Water Resources, Water Supply & Kalpsar	83	173	15	39	7	32	24	133	20	202	149	579
6.	Ports & Transport	1	3	2	5	3	8	4	13	4	11	14	40
7.	Roads & Buildings	82	221	14	32	18	86	24	163	22	168	160	670
8.	Science & Technology	3	9	0	0	1	11	2	15	3	20	9	55
9.	Climate Change	0	0	1	6	1	3	1	3	1	5	4	17
<b>Total</b>		<b>254</b>	<b>674</b>	<b>68</b>	<b>228</b>	<b>70</b>	<b>301</b>	<b>101</b>	<b>550</b>	<b>96</b>	<b>684</b>	<b>589</b>	<b>2,437</b>

**Appendix II**  
**(Reference: Paragraph No. 2.1.1)**  
**Organisational set-up of the University**

**(A) Authorities of the University**

The authorities of the University are given in the diagram given below:

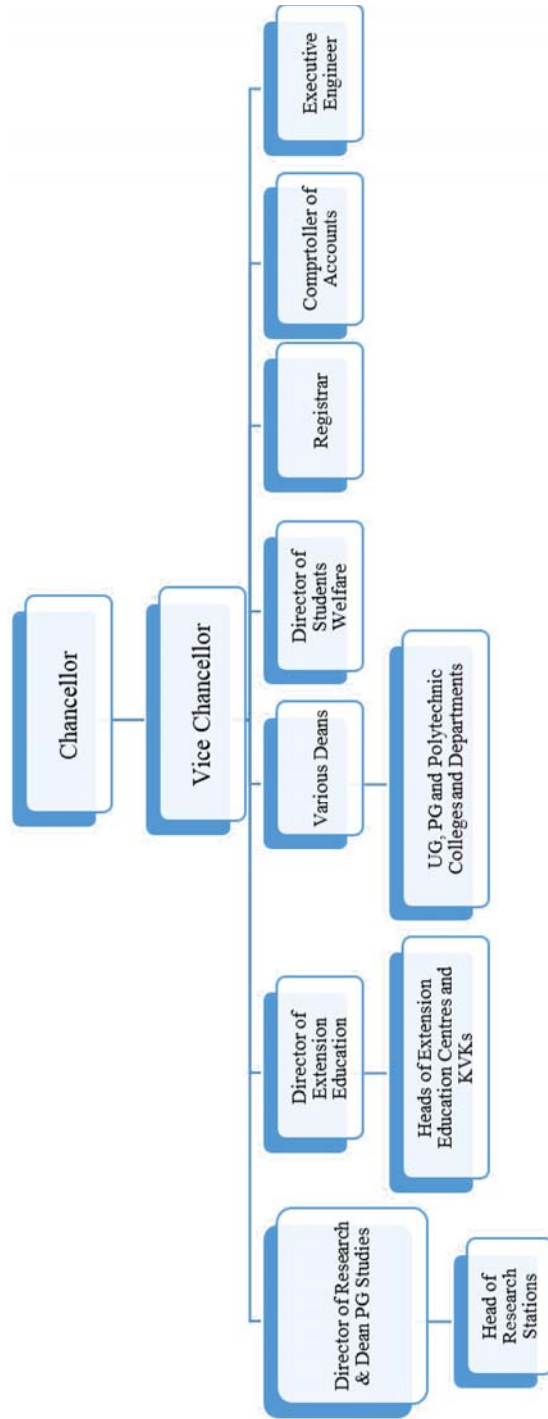


(Source: Annual Reports of the Junagadh Agriculture University)

**(B) Functions of the University**

Sl. No.	Authority	Members	Main Function
1	Board of Management	The Vice-Chancellor is the ex-officio Chairman of the Board. The Secretary (ies) to the GoG, Agri & Cooperation Department, Education Department, Finance Department; the Director of Agriculture, GoG, Animal Husbandry, Horticulture, one Member of the Gujarat Legislative Assembly, two agricultural scientists having background of agricultural research or education, one farmer, one representative nominated by the Director General of ICAR.	Reviews all the financial, administrative and academic matters of the University
2	Academic Council	(i) The Vice-Chancellor, ex-officio, (ii) the Director of Research and Dean of Post-graduate Studies, (iii) the Deans of Faculties, (iv) the Director of Extension Education, (v) six members nominated by Vice-Chancellor by rotation in the prescribed manner from amongst the Heads of Departments of the Faculties and the research scientists of the University.	Responsible for maintenance of the standards of education, teaching and examinations in the University.
3	Extension Education Council	(i) the Director of Extension Education, the Head of the Organisation, (ii) extension scientists entrusted with the work of assessment, refinement and transfer of technologies of agriculture by the University, (iii) such other officers and employees appointed by the University for the purpose of Organisation.	Formulates extension education policies and reviews annual extension education programmes of the University
4	Agricultural Research Council	(i) The Director of Research and Dean of Post-graduate Studies, is the Head of the Organisation, (ii) Associate Directors of Research appointed by the University for various agro-climatic zones, (c) Scientists entrusted with the work of research on various crops, commodities or natural resources, (d) such other officers and employees appointed by the University for the purpose of the Organisation.	Determines the research priorities of the University area and reviews ongoing research programme.
5	Finance Committee	The Vice-Chancellor is the ex-officio Chairman, The Secretary (ies) to the GoG, Finance Department and Agricultural Department, two persons from Board of management (one non-official and one director rank), The registrar (ex-officio member) and the Comptroller (ex-officio member).	Assists and advises Board of Management in financial matters.
6	Construction Committee	The Vice-Chancellor is the ex-officio Chairman, Director of Research and Extension Education, Account officer, Registrar, one expert and architect (to be nominated by GoG), representative of Road and Buildings Department (superintendent engineer and above rank) and Executive Engineer of the University (ex-officio member).	Approves the design and estimates for construction work. Prepares, implements and reviews master plan and annual plan for the construction works.

(C) Officers of the University



## Appendix III

(Reference: Paragraph No. 2.1.1 and 2.1.5.3)

Crop-wise sowing area<sup>1</sup> and production in Saurashtra region and rest of Gujarat

(Sowing area in lakh hectares and production in lakh MT)

Crops	Sowing Area						Production					
	2003-04			2017-18			2003-04			2017-18		
	Saurashtra	Rest of Gujarat	Total	Saurashtra	Rest of Gujarat	Total	Saurashtra	Rest of Gujarat	Total	Saurashtra	Rest of Gujarat	Total
Cereals	5.83	26.18	32.01	3.18	25.09	28.27	14.38	45.19	59.57	10.45	57.81	68.26
Pulses	1.23	7.09	8.32	2.04	7.04	9.08	1.12	5.10	6.22	2.74	6.69	9.43
Groundnut	18.21	1.82	20.03	13.55	3.24	16.79	41.91	2.87	44.78	33.12	7.54	40.66
Oil Seed	3.11	6.51	9.62	1.10	9.65	10.75	2.77	9.01	11.78	1.76	19.28	21.04
Vegetables and other spices	1.58	4.82	6.40	2.59	6.17	8.76	16.41	31.50	47.91	17.06	63.65	80.71
Cotton	9.02	7.39	16.41	16.99	9.28	26.27	4.54	2.31	6.85	11.06	6.13	17.19
Other cash crops	0.05	2.40	2.45	0.05	3.51	3.56	0.46	13.45	13.91	3.07	118.35	121.42
<b>Total</b>	<b>39.03</b>	<b>56.21</b>	<b>95.24</b>	<b>39.5</b>	<b>63.98</b>	<b>103.48</b>	<b>81.59</b>	<b>109.43</b>	<b>191.02</b>	<b>79.26</b>	<b>279.45</b>	<b>358.71</b>

(Source: Annual Publication of Directorate of Agriculture, on District-wise Area, Production and Yield of important food and non-food crops in Gujarat State)

<sup>1</sup> The sowing area is aggregate of all the seasons viz., Rabi, Kharif and Zaid.

## Appendix IV

(Reference: Paragraph No. 2.1.1)

### Details of receipts during 2014-19

(₹ in crore)

Particulars	Receipts					Total
	2014-15	2015-16	2016-17	2017-18	2018-19	
Government Grant	161.13	169.79	153.85	185.92	183.71	854.40
Grants from ICAR	15.12	19.80	23.99	23.91	40.96	123.78
Other Agencies	9.67	6.86	14.67	9.32	21.27	61.79
University Receipts	11.73	12.57	14.12	14.15	17.85	70.42
<b>Total</b>	<b>197.65</b>	<b>209.02</b>	<b>206.63</b>	<b>233.30</b>	<b>263.79</b>	<b>1,110.39</b>

(Source: Annual accounts of JAU for the years 2014-15 to 2018-19)

### Details of expenditure incurred during 2014-19

(₹ in crore)

Particulars	2014-15	2015-16	2016-17	2017-18	2018-19	Total
<b>(A) Expenditure incurred for education from</b>						
GoG funds	95.5	115.82	107.69	122.1	133.79	574.90
ICAR funds	4.22	3.48	8.31	8.24	12.83	37.08
Other Agencies funds	0.74	0.19	0.21	0.1	0.13	1.37
<b>Total (A)</b>	<b>100.46</b>	<b>119.49</b>	<b>116.21</b>	<b>130.44</b>	<b>146.75</b>	<b>613.35</b>
<b>(B) Expenditure incurred for research from</b>						
GoG funds	44.18	51.7	49.88	50.86	54.49	251.11
ICAR funds	9.27	10.46	11.21	11.85	11.95	54.74
Other Agencies funds	8.12	5.58	10.42	9.15	9.89	43.16
<b>Total (B)</b>	<b>61.57</b>	<b>67.74</b>	<b>71.51</b>	<b>71.86</b>	<b>76.33</b>	<b>349.01</b>
<b>(C) Expenditure incurred for extension education from</b>						
GoG funds	11.36	9.45	16.31	11.38	12.56	61.06
ICAR funds	3.55	4.1	5.48	5.29	7.92	26.34
Other Agencies funds	2.34	1.4	1.34	1.43	0.69	7.20
<b>Total (C)</b>	<b>17.25</b>	<b>14.95</b>	<b>23.13</b>	<b>18.1</b>	<b>21.17</b>	<b>94.60</b>
<b>Total (A) + (B) + (C)</b>	<b>179.28</b>	<b>202.18</b>	<b>210.85</b>	<b>220.4</b>	<b>244.25</b>	<b>1,056.96</b>

(Source: Annual accounts of JAU for the years 2014-15 to 2018-19)

**Appendix V**  
**(Reference: Paragraph No. 2.1.4.2)**  
**Details of job placement of students passing out from JAU**

Sl. No.	Name of The College	2016-17		2017-18		2018-19	
		Number of students passed out	Number of students who got placement	Number of students passed out	Number of students who got placement	Number of students passed out	Number of students who got placement
<b>Diploma Colleges</b>							
1	Polytechnic in Agriculture, J.A.U., Dhari	17	8	30	16	29	9
2	Polytechnic in Horticulture, J.A.U., Junagadh	26	8	23	6	25	6
3	Polytechnic in Agricultural Engineering, J.A.U., Targhadia	23	4	21	11	30	6
4	Polytechnic in Agro Processing, J.A.U., Junagadh	24	3	18	5	21	8
5	Polytechnic in Animal Husbandry, J.A.U., Junagadh	29	7	18	6	23	8
6	Polytechnic in Home Science, J.A.U., Amreli	16	0	21	0	9	0
	<b>TOTAL</b>	<b>135</b>	<b>30</b>	<b>131</b>	<b>44</b>	<b>137</b>	<b>37</b>
<b>Graduation and Post-Graduation Colleges</b>							
7	College of Agriculture, Junagadh	244	87	290	48	259	40
8	College of Horticulture, Junagadh	71	0	57	0	69	3
9	College of Agriculture, J.A.U., Motabhandariya	25	0	18	0	36	1
10	College of Agriculture, J.A.U., Khapat (Porbandar)	0	0	0	0	0	0

Sl. No.	Name of The College	2016-17		2017-18		2018-19	
		Number of students passed out	Number of students who got placement	Number of students passed out	Number of students who got placement	Number of students passed out	Number of students who got placement
11	College of Agricultural Engineering & Technology, J.A.U., Junagadh	129	54	110	24	119	10
12	College of Fisheries Science, J.A.U., Veraval	58	26	42	25	64	22
13	College of Veterinary Science & A.H., J.A.U., Junagadh	43	15	40	22	50	12
14	PG Institute of Agri-Business Management, J.A.U., Junagadh	34	18	52	25	37	17
	<b>Total</b>	<b>604</b>	<b>200</b>	<b>609</b>	<b>144</b>	<b>634</b>	<b>105</b>

(Source: Placement reports and Annual Reports published by JAU during 2016-19)



**Appendix VI**  
**(Reference: Paragraph No. 2.1.4.3)**  
**Enrolment details of Graduation and Post-graduation degree colleges**

Name of the Degree /course	Name of College offering the course	2013-14			2014-15			2015-16			2016-17			2017-18			2018-19		
		Total Intake capacity	Adm itted	Drop out	Total Intake capacity	Adm itted	Drop out	Total Intake capacity	Adm itted	Drop out	Total Intake capacity	Adm itted	Drop out	Total Intake capacity	Adm itted	Drop out	Total Intake capacity	Adm itted	Drop out
<b>Post-graduation Degree Colleges</b>																			
M.Sc. (Agri.)	CoA, Junagadh	116	68	12	124	82	14	148	96	09	159	137	21	146	136	28	122	114	02
Ph.D.		33	18	07	38	26	11	48	20	05	40	26	12	36	28	08	29	27	02
M.Sc. (Horti.)	CoH, Junagadh	15	12	01	18	16	02	22	20	03	26	22	03	21	20	3	20	20	04
Ph.D.		05	04	01	07	06	02	08	06	02	06	04	01	05	04	00	5	5	00
M.Tech. (Agri. Engg.)	CAET, Junagadh	28	21	05	31	24	02	31	16	01	27	27	02	30	30	04	26	24	00
Ph.D.		08	02	00	13	05	01	11	01	00	11	04	02	13	04	00	10	5	00
M.F.Sc.	CoFS, Veraval	25	07	01	24	10	00	19	06	01	17	15	00	16	13	00	15	15	00
Ph.D.		10	02	00	06	02	00	08	05	00	09	05	01	10	02	00	11	5	02
M.V.Sc.	CoVSAH, Junagadh	36	04	00	36	16	02	36	08	01	32	20	03	31	15	01	26	11	00
Ph.D.		12	00	00	12	02	00	10	06	00	08	02	01	04	02	00	5	1	01
MBA in AB	PGIABM, Junagadh	43	32	02	43	39	08	43	38	09	43	41	06	35	34	07	35	35	04
Ph.D.		00	00	00	00	00	00	02	01	00	05	02	00	03	02	00	3	3	00

**(Source: Information provided by Junagadh Agricultural University)**

CoAJ = College of Agriculture, Junagadh, CoH=College of Horticulture, Junagadh, CAET= College of Agricultural Engineering and Technology, Junagadh, CoFS= College of Fisheries Science, CoVSAH = College of Veterinary Science and Animal Husbandry, Junagadh, PGIABM = PG institute of Agri-Business Management

## Graduation Degree Colleges

Name of the Degree /course	Name of College offering the course	2013-14			2014-15			2015-16			2016-17			2017-18		
		Total Intake capacity	Admitted	Drop out	Total Intake capacity	Admitted	Drop out	Total Intake capacity	Admitted	Drop out	Total Intake capacity	Admitted	Drop out	Total Intake capacity	Admitted	Drop out
B.Sc. Hons). Agri.	CoAJ, Junagadh	139	122	06	139	118	08	139	116	08	139*	122	06	123*	115	11
B.Sc. Hons). Agri.	CoAM, Mota Bhandariya	30	25	00	30	23	00	30	25	00	51	45	01	51	45	03
B.Sc. Hons). Agri.	CoAK, Khapat	-	-	-	-	-	-	-	-	-	30	22	00	30	24	03
B.Sc. Hons.) Horti.	CoH, Junagadh	50	41	01	50	35	00	50	46	02	51	44	04	51	43	03
B.Tech. (Agril. Engg.)	CAET, Junagadh	97	92	03	97	81	01	97	89	05	97	93	03	87	85	03
B.F.Sc.	CoFS, Veraval	77	53	00	77	38	00	77	50	00	77	38	00	68	61	06
B.V.Sc. & A.H.	CoVSAH	40	30	00	40	38	02	60	56	00	60	49	03	60	57	02

(Source: Information provided by Junagadh Agricultural University)

CoAJ= College of Agriculture, Junagadh, CoAM= College of Agriculture, Mota Bhandaria, CoAK= College of Agriculture, Khapat, CoH=College of Horticulture, Junagadh, CAET= College of Agricultural Engineering and Technology, Junagadh, CoFS= College of Fisheries Science, CoVSAH = College of Veterinary Science and Animal Husbandry

\*Before 2017-18 total intake is calculated of total intake capacity + ICAR quota. However, from academic year 2017-18 onwards the total intake was calculated with SAUs intake & ICAR quota.

**Appendix VII**  
**(Reference: Paragraph No. 2.1.4.7)**  
**Compliance to the fire safety norms as on 30 April 2020**

Sl. No.	Name of College	Staircase (Out of 3)	Fire exit (Out of 4)	Escape route (Out of 6)	Emergency & Escape lighting (Out of 4)	Firefighting equipment (Out of 3)	Marks out of 20	Compliance level (in per cent)
1	Polytech Horticulture, Junagadh	2	3	4	0	0	9	45
2	Agro ITI, Mahua (Edu)	0	0	3	0	0	3	15
3	Agro ITI, Mahua (Hostel)	0	0	3	0	0	3	15
4	CAET, JUA	NA <sup>1</sup>	2	2	0	0	4	24
5	Sardar Vallabh Bhai Patel Hostel, Polytech Agro	2	0	2	0	0	4	20
6	College Building, Polytech, Agro	3	0	2	0	0	5	25
7	Polytech in Agri, Dhari, Amreli	2	4	4	0	0	10	50
8	Agro based ITI, Junagadh	2	0	1	0	0	3	15
9	CoA, Mota bhandaria	2	0	4	0	0	6	30
10	CoA, Mota bhandaria, Hostel (Kalapi)	3	0	4	0	0	7	35
11	CoA, Mota bhandaria, Hostel (sarsvati)	3	0	4	0	0	7	35
12	University Library, Junagadh	2	2	4	0	0	8	40
13	VIP Guest House, Junagadh	3	0	4	0	1	8	40
14	Community Hall, Junagadh	3	2	2	0	0	7	35
15	University Bhawan, Junagadh	1	0	1	0	1	3	15
16	Vikas Boys Hostel for UG and PG, Junagadh	3	0	2	0	0	5	25
17	Veterinary College, Junagadh	3	0	2	0	1	6	30
18	Institute of ABM, Junagadh	2	0	2	0	0	4	20
19	PG Hostel for AGM, Junagadh	2	0	2	0	1	5	25
20	Nividita Girls Hostel, Junagadh	2	0	2	0	1	5	25
21	Second Girls Hostel Junagadh	2	0	2	0	0	4	20
22	Laboratory Entomology, Junagadh	NA	0	2	0	0	2	12

<sup>1</sup> Marked as not applicable where question is not applicable to the building, hence compliance level cannot be gauged.

Sl. No.	Name of College	Staircase (Out of 3)	Fire exit (Out of 4)	Escape route (Out of 6)	Emergency & Escape lighting (Out of 4)	Firefighting equipment (Out of 3)	Marks out of 20	Compliance level (in per cent)
23	International Hostel Building, Junagadh	NA	0	3	0	0	3	15
24	MG Boys Hostel, Junagadh	1	0	3	1	0	5	25
25	Sidhi Girls Hostel, Agri Tech College, Junagadh	3	0	2	0	0	5	25
26	Pesticides production lab, Entomology, Junagadh	NA	0	2	0	0	2	12
27	Vet College, Junagadh	2	0	2	0	1	5	25
28	Goverdhan and Gokulesh Hostel, College of Vet & AH, Junagadh	2	0	2	0	0	4	20
29	Vishwakarma Hall, CAET Junagadh	0	0	0	0	0	0	0
30	International Hostel CAET, Junagadh	0	0	0	0	0	0	0
31	Vivekanand Hall of Residence CAET, Junagadh	0	0	0	0	0	0	0
32	Kasturba Girls Hostel CAET, Junagadh	NA	0	0	0	0	0	0
33	Processing and food Engg, Junagadh	NA	0	0	0	1	1	6
34	CAET, Junagadh.	3	1	2	0	1	7	35
35	Dept of FM and PE, JAU (CAET)	NA	2	1	0	0	3	18
36	Boys Hostel, JAU Veraval	NA	0	2	0	0	2	12
37	Ladies hostel, fisheries college, Veraval	2	0	2	0	0	4	20
38	Girls hostel, fisheries college, Veraval	2	0	2	0	0	4	20
39	Fisheries college building, Veraval	3	0	2	0	0	5	25
40	Girls hostel building, polytechnic college, Targhadia	2	0	2	0	0	4	20
41	Office cum lab building for spice project, Junagadh	NA	0	2	0	0	2	12
42	Boys hostel building, polytechnic college, Targhadia	3	0	2	0	0	5	25
43	Krushikar Atithibhavan, Junagadh	2	0	3	0	0	5	25
44	Expansion facilities at Horticulture Building, Junagadh	3	0	2	0	0	5	25
	<b>Average Compliance</b>						<b>189</b>	
	<b>Buildings have zero compliance</b>	<b>5</b>	<b>37</b>	<b>5</b>	<b>43</b>	<b>36</b>		<b>22</b>

(Source: Information provided by Junagadh Agricultural University)

**Appendix VIII**  
**(Reference: Paragraph No. 2.1.4.7)**  
**Compliance to the provisions for buildings used by disabled persons as on 30 April 2020**

Sl. No.	Name of the building	Marks obtained for Provisions related to							Specially designed toilets (Out of 5)	Marks out of 26	Compliance level (in per cent)
		Ramps (Out of 7)	Entrances (Out of 2)	Doors and Doorways (Out of 5)	Elevators (Out of 5)	Windows (Out of 2)					
1	Polytech Horticulture, Junagadh	2	0	3	0	2	0	0	7	27	
2	Agro ITI, Mahua (Edu)	0	0	2	0	2	0	0	4	15	
3	Agro ITI, Mahua (Hostel)	0	0	2	0	2	0	0	4	15	
4	CAET, JUA	0	0	4	NA	2	0	0	6	29	
5	Sardar Vallabh Bhai Patel Hostel, Polytech Agro	0	0	3	0	2	0	0	5	19	
6	College Building, Polytech, Agro	4	0	3	0	2	0	0	9	35	
7	Polytech in Agri, Dhari, Amreli	2	0	3	0	2	0	0	7	27	
8	Agro based ITI, Junagadh	4	0	5	0	1	0	4	14	54	
9	CoA, Mota bhandaria	0	1	4	0	2	0	0	7	27	
10	CoA, Mota bhandaria, Hostel (Kalapi)	0	1	3	0	2	0	0	6	23	
11	CoA, Mota bhandaria, Hostel (sarasvati)	0	1	3	0	2	0	0	6	23	
12	University Library, Junagadh	0	0	1	0	2	0	0	3	12	
13	VIP Guest House, Junagadh	4	1	4	0	2	0	2	13	50	
14	Community Hall, Junagadh	0	0	3	0	1	0	0	4	15	
15	University Bhawan, Junagadh	1	2	4	4	2	0	0	13	50	
16	Vikas Boys Hostel for UG and PG, Jungadh	0	0	4	0	2	0	0	6	23	
17	Vet College, Junagadh	2	0	4	0	2	0	0	8	31	
18	Institute of ABM, Junagadh	0	0	3	0	2	0	2	7	27	
19	PG Hostel for AGM, Junagadh	0	0	4	0	2	0	0	6	23	
20	Nividitta Girls Hostel, Junagadh	0	0	4	0	2	0	0	6	23	
21	Second Girls Hostel Junagadh	1	0	5	NA	2	0	0	8	38	
22	Laboratory Entomology, Junagadh	1	1	3	NA	2	0	0	7	33	

Sl. No.	Name of the building	Marks obtained for Provisions related to							Compliance level (in per cent)
		Ramps (Out of 7)	Entrances (Out of 2)	Doors and Doorways (Out of 5)	Elevators (Out of 5)	Windows (Out of 2)	Specially designed toilets (Out of 5)	Marks out of 26	
23	International Hostel Building, Junagadh	1	0	3	NA	2	0	6	29
24	MG Boys Hostel, Junagadh	5	0	3	0	2	0	10	38
25	Sidhi Girls Hostel, Junagadh	4	0	4	0	2	0	10	38
26	Pesticides production lab, Junagadh	1	1	4	NA	2	0	8	38
27	Veterinary College, Junagadh	0	0	0	0	0	0	0	0
28	Goverdhan and Gokulesh Hostel, College of Vet & AH, Junagadh	0	0	0		0	0	0	0
29	Vishwakarma Hall, CAET Junagadh	0	0	2	0	0	0	2	8
30	International Hostel CAET, Junagadh	0	0	2	0	0	0	2	8
31	Vivekanand Hall of Residence	0	0	2	0	0	0	2	8
32	Kasturba Girls Hostel CAET, Junagadh	1	0	2	NA	0	0	3	14
33	Processing and food Engg, Junagadh	1	0	2	NA	0	0	3	14
34	CAET, JUNAGADH	0	1	2	0	0	0	3	12
35	Dept of FM and PE, JAU (CAET)	1	0	0	NA	0	0	1	5
36	Boys Hostel, JAU Veraval	1	0	5	NA	2	0	8	38
37	Ladies hostel, fisheries college, Veraval	0	0	4	0	2	0	6	23
38	Girls hostel, fisheries college, Veraval	4	0	4	0	2	0	10	38
39	Fisheries college building, Veraval	5	1	4	4	2	0	16	62
40	Girls hostel building, polytechnic college, Targhadia	4	0	4	0	2	0	10	38
41	Office cum lab building for spice project, Junagadh	1	0	4	NA	2	0	7	33
42	Boys hostel building, polytechnic college, Targhadia	4	0	4	0	2	0	10	38
43	Krushikar Atithibavan, Junagadh	5	0	4	0	2	0	11	42
44	Expansion facilities at Horticulture Building, Junagadh	5	0	4	0	2	0	11	42
<b>Average Compliance</b>		<b>20</b>	<b>35</b>	<b>3</b>	<b>32</b>	<b>9</b>	<b>41</b>		
<b>Buildings have zero compliance</b>				<b>3</b>	<b>32</b>	<b>9</b>	<b>41</b>		<b>27</b>

(Source: Information provided by Junagadh Agricultural University)

## Appendix IX

(Reference: Paragraph No. 2.1.5.3)

**Details of crop varieties released and recommendations made for farming community by JAU during 2004-19 (Position as on 31 March 2019)**

Crop Type	Recommendation for farmers							Variety Released
	On Crop Production				On Plant Protection		Total	
	Nutrient Management	Cultural practice	Irrigation Management	Weed Management	Entomology	Plant Pathology		
Oilseed (Groundnut)	27	15	3	5	16	16	82	12
Oilseed (Others)	28	12	3	4	14	5	66	9
Cereal	24	8	2	4	9	1	48	10
Pulse	5	4	3	2	8	5	27	5
Cash (Cotton)	16	8	0	1	12	2	39	3
Cash (Sugarcane)	0	2	2	2	0	0	6	1
Fruits	0	0	0	0	9	2	11	3
Vegetable	8	1	2	2	7	4	24	19
Spices	9	3	4	4	12	6	38	5
Fodder	6	4	0	1	2	0	13	--
<b>Grand Total</b>	<b>123</b>	<b>57</b>	<b>19</b>	<b>25</b>	<b>89</b>	<b>41</b>	<b>354</b>	<b>67</b>

(Source: Annual reports and information provided by JAU)

**Appendix X**

**(Reference: Paragraph No. 2.1.5.5 (b))**

**Details of Varieties registered only in the name of ICAR  
(as on 31 May 2020)**

Sl. No.	Crop	Variety	Year	PPV&FRA Reg. NO
1.	GROUNDNUT	GG-8	2004-05	No. 320 of 2014, Dt. 23/06/2014
2.	GROUNDNUT	GG-16	2004-05	No. 193 of 2014, Dt. 23/05/2014
3.	GROUNDNUT	GJG-HPS-1	2007-08	No. 318 of 2014, Dt. 23/06/2014
4.	GROUNDNUT	GJG-9	2009-10	No. 317 of 2014, Dt. 23/06/2014
5.	GROUNDNUT	GJG-31	2009-10	No. 319 of 2014, Dt. 23/06/2014
6.	GROUNDNUT	GJG-17	2010-11	No. 213 of 2015, Dt. 02/09/2015
7.	GROUNDNUT	GJG-22	2010-11	No. 236 of 2015, Dt. 08/10/2015
8.	Pearl millet	GHB-538	2004-05	No. 28 of 2009, Dt. 12/02/2009
9.	Pearl millet	GHB-757	2006-07	No. 89 of 2013, Dt. 17/05/2013
10.	Pearl millet	GHB-719	2007-08	No. 27 of 2009, Dt. 12/02/2009
11.	Pearl millet	GHB-744	2007-08	No. 83 of 2011, Dt. 22/10/2011
12.	Pearl millet	GHB-732	2007-08	No. 88 of 2013, Dt. 17/05/2013
13.	Wheat	GW-366	2006-07	No. 96 of 2012, Dt. 02/08/2012

(Source: Information provided by JAU and website of PPV&FRA)

**Details of Varieties registered in the name of Junagadh Agricultural  
University as on 31 March 2020**

Sl. No.	Crop	Variety	Seeds Act, 1966 Notification Date	PPV&FR Act, 2001 Registration Date	Due Date of Renewal
1.	Brinjal	JBGR-1	26/12/2008	13/02/2015	12/02/2021
2.	Garlic	GG-4	26/12/2008	22/12/2014	21/12/2020
3.	Okra	GJ Okra Hybrid-2	26/12/2008	10/02/2015	09/02/2021
4.	Sesame	G. Til-3	11/02/2009	06/06/2012	05/06/2018
5.	Sesame	G. Til-10	05/11/2005	06/06/2012	05/06/2018
6.	Sesame	G. Til-4	26/07/2012	05/05/2014	04/05/2020
7.	Okra	GJ-OH 3	17/08/2015	22/10/2016	21/10/2022

(Source: Information provided by JAU and website of PPV&FRA)



## Appendix XI

(Reference: Paragraph No. 2.1.5.7 (b))

## Comparison of recommendations made by JAU with CIB&amp;RC approved list (as on 31 August 2019)

Sl. No.	Insecticide Formulation	Crop(s) and Pest(s) for which approved by CIB&RC	Crop(s) and Pest(s) for which recommendation made by JAU
1.	Beauveria bassiana 1.15% W.P.	Cotton, Rice, Cabbage	All Crops
		Bollworm, Rice leaf folder and Diamond back moth	Helicoverpa, Spodoptera, Diamond blackmoth, borers, white grub and sucking pests
2.	Trichoderma harzianum 1.0%	Tomato, Brinjal, Carrot and Okra	Groundnut, Castor, Cotton, Cumin, Pigeon pea, Chickpea, Sugarcane and Vegetables
		Wilt and Root Rot	Stem and Pod Rot, Root Rot, Wilt and red Rot
3.	Metarhizium Anisopliae1. 0% WP	Rice	All Crops
		Brown plant hopper (BPH))	Termite, Leaf miner, borers and sucking pests
4.	HNPV	Pigeon Pea, Gram, Cotton, Tomato and Chickpea	All Crops
		Pod Borer (Helicoverpaarmigera)	Pod Borer (Helicoverpaarmigera)
5.	SNPV	Tobacco	All Crops
		Spodoptera	Spodoptera

## Appendix XII

(Reference: Paragraph No. 2.1.5.7 (c))

### Use of non-approved Label and Leaflets for the sale of Insecticides

#### Leaflet

Particulars	Leaflet approved by CIB&RC	Leaflet printed by JAU
Recommended for disease and/ or pest	1. Wilt Disease of Tomato, Brinjal and Okra 2. Root rot of carrot 3. Root-knot nematodes of Tomato, Brinjal, Okra and Carrot	1. Effective control of White Mold in Groundnut 2. Various soilborne crop diseases (No specific crop mentioned)
Equipment used in Application	Mentioned	Not-Mentioned
Phytotoxicity	Mentioned	Not-Mentioned
Instructions for Use	Do not apply on chemically treated seeds.	Do not mix with Fungicide, Insecticide, Weedicide and Chemical Fertilizer
Handling	Mentioned	Not-Mentioned
Symptoms of Poisoning	Mentioned	Not-Mentioned
First-Aid	Mentioned	Not-Mentioned
Precautions	Mentioned	Not-Mentioned
Conditions for Storage	Mentioned	Mentioned
Disposal	Mentioned	Not-Mentioned

(Source: Leaflet collected from Junagadh Agricultural University in August 2019)

#### Label

Label approved by CIB&RC	Label printed by JAU
Wilt Disease of Tomato, Brinjal and Okra	Stem and Pod root of Groundnut
Root-knot nematodes of Tomato, Brinjal, Okra and Carrot	Wilt/Root rot in cumin, pigeon pea, chickpea and vegetables
Root rot of carrot	Root rot and wilt of castor and cotton
	Wilt and red-rot of sugarcane
	Damping-off of vegetables

(Source: Labels collected from Junagadh Agricultural University in August 2019)

### Appendix XIII

(Reference: Paragraph No. 2.1.6.1)

**Crop-wise FLD undertaken for new varieties of top five crops during 2014-19  
(as on 31 March 2019)**

Crop	Among Top 5 Crop in Number of Districts	FLD given in number of Districts	Variety released by JAU	FLD given on JAU variety	FLD given on other's variety
Brinjal	6	3	6	2	0
Cabbage	2	0	0	0	0
Chickpea	1	1	3	1	0
Clusterbean	2	0	0	0	0
Cotton	6	0	3	0	5
Cowpea	1	0	0	0	0
Cucurbit	4	0	0	0	0
Cumin	3	0	0	0	1
Groundnut	5	5	12	4	0
Okra	4	2	6	3	0
Onion	6	3	3	2	3
Pearl Millet	5	1	8	4	0
Sesame	4	4	5	3	0
Tomato	5	1	2	1	0
Wheat	6	5	2	2	2
<b>Total</b>	<b>60</b>	<b>25</b>	<b>50</b>	<b>22</b>	<b>11</b>

(Source: Annual Progress Reports of JAU for the years 2014 to 2019)

### Appendix XIV

(Reference: Paragraph No. 2.2.7.2)

#### Roads where condition was not good causing difficulties to MHUs in providing medical services to salt workers

District	MHU which provided medical services to salt workers in desert areas	Road condition of which was not good for providing health services through MHU as reported by Health Department	Remarks of District Panchayat Health
Patan	MHU, Madhutra	Road from (1) Garamadi Rann to Kargil Rann, (2) 9 number Rann to Anternes Rann, (3) 11 number Rann to Chhansara (4) Banas Rann to Matji nu Bedku (5) Piprala to Nandaran (6) Banas Rann to Baladna Pata Rann	For approaching salt workers in desert from Santalpur, there is no permanent road except first three kms.
Bhavnagar	MHU, Nari	Approach from Main road leading to (1) Modern Salt to Jatvistar (2)Shakti Salt, (3) Mahakali Salt, (4) Ashapura Salt, (5) Khodiyar Salt, (6) Chamunda Salt, (7) Bhagawati Salt, (8) Umiya Salt, (9) Ram Salt, (10) Naklank Salt, (11) Devraj salt, (12) Momai Salt, (13) Shiyavshakti Salt, (14)Ashok Salt, (15) Gayatri Salt, (16) Ambuja Salt, Chamunda Salt, Pavdi Salt, Sagar Salt, Nilkamal Salt, Central Salt, Nava Agar Vistar	The roads remained closed during monsoon causing deprival of medical services to salt workers and their families as reported by MHU, Nari. The audit also visited the above units along with Health officials of Nari and found that roads at there was no permanent approach road at these units or existing roads were in extremely bad condition.
Morbi	MHU, Tikar	Road from(1) Tikar to Ran ni Dhassi (8 km), (2) Tikar to Mangadh Rann (12 km) (3) Tikar to Khod Rann (13km) (4) Tikar to Jogad Rann (20 km) (5) Tikar to Kidi Rann (22 km) (6) Tikar to Ajjitgadh Rann	These roads are not motorable during monsoon as reported by MHUs.
Kachchh	MHU, Samdhiyali	(1) Road from Amliyari village to Sagar Salt, Shreeji Salt, Haroon no Banno, Naran Salt, Devraj Salt, (2) From Vondh Village to Arihant Salt, Old Ganesh Salt and Shiv Shakti Salt (3) From Chhadwala village to Santram Salt, Darshan Salt, Kesri Salt, Durgesh Salt, Meraman Salt	It is difficult to approach these areas as reported by MHUs.
	MHU, Manfara	Road from Manfara to Bhachau, Bhachau to Moti Chirai, Moti Chirai to Salt workers areas	It is difficult to approach these areas as reported by MHUs.
	MHU, Bhimasar (Ch)	Mithi Rohar (38 km), Varsana (24 km), Khari Rohar (40 km) Kandla (IOC Zone) (52 km)	It is difficult to approach these areas as reported by MHUs.

**Appendix XV**  
**(Reference: Paragraph No. 2.2.10)**  
**Details of meetings held and proposals received at DLECs during 2014-19**

District	No of Meeting of DLEC held during 2014-19					Total No. of meeting of DLEC	Total No of work proposals received during 2014-19	Remarks of GM, DIC on less proposals
	2014-15	2015-16	2016-17	2017-18	2018-19			
Patan	0	1 held on 28.9.2015	2 held on 30.7.2016 & 8.2.2017	2 held on 18.9.2017 & 30.1.2018	1 held on 13.7.2018	6	3	The areas where the salt workers are working in Patan District fall under Wild Ass Sanctuary and the Forest Department does not allow any work in their area so that the line departments are not proposing any work for the salt workers.
Bhavnagar	0	1 held on 30.1.2016	0	1 held on 23.1.2018	2 held on 26.2.2019 & 24.9.2018	4	4	No remarks offered
Kachehh	1 held on 30.12.2014	1 held on 5.2.2016	1 held on 11.8.2016	1 held on 5.6.2017	1 held on 5.3.2019	5	18	The matter would be taken up with the line departments for submission of proposals.
Amreli	0	1 held on 23.6.2015	0	0	0	1	12	No remarks offered.
Bharuch	2 held on 16.6.2014 & 5.11.2014	3 held on 2.6.2015, 11.1.2016 &	3 held on 28.6.2016, 10.10.2016	0	0	8	5	The matter would be taken up with the line departments for submission of proposals.

District	No of Meeting of DLEC held during 2014-19						Total No. of meeting of DLEC	Total No of work proposals received during 2014-19	Remarks of GM, DIC on less proposals
	2014-15	2015-16	2016-17	2017-18	2018-19				
Morbi	0	30.3.2016 0	& 14.2.2017 2 held on 30.11.2016 & 10.3.2017	1 held on 30.1.2018	1 held on 5.2.2019	4	6	No remarks offered	
Surendranagar	2 held on 12.8.2014 & 5.1.2015	1 held on 16.12.2015	1 held on 20.2.2017	2 held on 25.9.2017 & 15.3.2018	1 held on 15.6.2018	8	25	No remarks offered	

**Appendix XVI**  
**(Reference: Paragraph No. 2.2.10)**  
**Proposals/issues without final outcome**

Sl. No.	District	Meeting Held On	Proposal for welfare work in brief	Final outcome
1		20.09.2008	Starting of shopping Centre at Santalpur	There was no progress in the matter as per the records. During site visit at Santalpur on 09.04.2019 it was seen that the Shopping centre has not been opened so far.
2	Patan	05.06.2013	Use of idle buses	There was no progress in the matter as per the records. During site visit at Varahi on 09.04.2019 it was seen by audit that the bus is lying idle.
3		28.09.2015	Survey on losses, damage to salt workers during heavy rain in 2015	There was no progress as per records
4		28.09.2015	Establishment of tent shalas and trained teachers	There was no progress as per records.
5		08.02.2017	Providing 100 benches in C.L. Parikh High school, Santalpur	There was no progress as per records.
6		19.09.2017	Construction of salt pans under MGNREGA	There was no progress as per records
7	Bhavnagar	30.01.2016	Purchase of 100 rechargeable torches for salt workers in 47 salt units proposed by Bhavnagar District Salt Manufacturers Association on 23.08.2015. The cost of work was ₹ 65000(₹ 650 x 100 units)	No outcome could emerge. Also, there was no review on this proposal in any meeting of DLEC held thereafter i.e., 23.01.2018, 24.09.2018 and 26.02.2019.
8			Provision of 69 bathrooms and Toilets for salt workers in 47 salt units proposed by Bhavnagar District Salt Manufacturers Association on 23.08.2015. The cost of work was ₹ 2,96,70,000	Audit also observed during site visits of six salt units and salt pans of independent salt workers at Akwada, Ghogha, Ganeshgadh, Kumbharwada village on 3 <sup>rd</sup> and 5 <sup>th</sup> May 2019 that toilets facilities were not provided by the salt unit owners.
9			Purchase of new Mobile Van by CDHO in replacement of existing old van	No outcome could emerge.
10	Surendranagar	16.12.2015	Construction of a Prayer Hall at Visnagar Primary School, Visnagar proposed by the Principal, Visnagar Primary School, Visnagar on 11.02.2014 at a cost of ₹ 16,17,500	There was no outcome. Also, there was no review on this proposal in any meeting of DLEC held thereafter.
11		20.2.2017	Providing of 500 temporary shelter houses for salt workers during their stay in salt pans proposed by Vikas Centre of development on 09.02.2017	There was nothing on records to show that the follow up was taken up with the proposer for submission of revised

Sl. No.	District	Meeting Held On	Proposal for welfare work in brief	Final outcome
12		20.2.2017	at a cost of ₹ 60 lakh Training to salt workers at multipurpose hall proposed by Agariya Hit Rakshak Manch, Patdi on 10.02.2017 cost ₹ 4,00,000	design as instructed by DLEC. There was no outcome. There was no outcome.
13		15.6.2018	Construction of a new school building for KGS High School, Khara Ghoda proposed by Principal, KGS High School on 25.04.2018 at total cost of ₹ two crore	There was no review on this proposal in any meeting of DLEC held thereafter and there was no outcome.
14		never put up	Construction of Collage Building at Zinzuwada proposed by Zinzuwada Kelvani Trust on 7.5.2015 Cost: ₹ 1,06,45,000	There was no outcome.
15	Amreli	29.3.2012	Review of welfare works carried out for salt workers in Amreli district and survey for requirement of works for the salt workers in Rajula and Jafrabad Talula	There was no follow up in the subsequent meetings and there was no report on works to be carried out by the various line departments in Rajula and Jafrabad Taluka.
16		29.3.2012	Making arrangement of drinking water for salt workers at salt pans	There was no follow up in the subsequent meetings. Further during site visit of villages by audit along with GM, DIC on 30.07.2019, Chairman, Gujarat Major Sangh, Chanch (member of DLEC) informed that drinking water facilities was still not available to the salt workers at salt pans in Chanch village and they have to purchase water from private suppliers.
17		25.11.2013	Construction of rooms in the schools and quarters for teachers for the schools in the villages around salt pans at Chanch village	There was no follow up in the subsequent meetings and no proposal was submitted by DPEO in the subsequent meetings.
18			Establishment of PHC at Chanch	There was no follow up of the matter in the sub sequent meeting and no outcome. During site visit of the village by audit along with t eh GM, DIC on 30.07.2019, Chairman, Gujarat Major Sangh, Chanch (member of DLEC) informed that there is no SC, PHC in Chanch village.
19		23.6.2015	Providing drinking water to salt workers in 36 salt units in Rajula and Jafrabad Taluka	There was no follow up of the matter in the sub sequent meeting and no outcome. During site visit of the village by audit along with GM, DIC on 30.07.2019, Chairman, Gujarat Major Sangh, Chanch (member of DLEC) informed



Sl. No.	District	Meeting Held On	Proposal for welfare work in brief	Final outcome
20	Bharuch	16.6.2014	Proposal for Construction of tube well and RO plant	that there is no water available to salt workers at Chanch village As per the records of SLEC, the proposal was not presented in any meeting of SLEC.
21		16.6.2014	Construction of new 11 roads in various areas in Wagra Taluka Dist Bharuch	It was not on records that the proposal and the work has been carried out.
22		10.10.2016	Purchase of new ambulance for salt worker	No final out come
23	Morbi	30.11.2016	Providing three mobile health units.	There was no final outcome.
24			Construction of 2 km road from Highway to lease plots less than 10 acres.	There was no final outcome.
25			Proposal to arrange the Ranshala for the children of salt workers	There was nothing on records that Ran shalas were started.
26			Proposal to provide storage water tank to salt workers in Ran	There was nothing on records to show that proposal was prepared by Agariya Hit Rakshak Manch.
27			Proposal to distribute dress to the children of salt workers	There was nothing on records to show that proposal was prepared by DEO.
28			Proposal to construct a road from highway to Agariya Bahuhetu Kendra (Multipurpose Centre)	There was nothing on records to show that proposal was prepared by EE.
29			Proposal to start a radio programme for salt workers	There was nothing on records to show progress.
30			Proposal for construction of 12 roads	There was nothing on records to show progress.
31		10.03.2017	Proposal for education for the children of salt workers working in big units	There was nothing on records to show progress on the proposal.
32			Construction of cyclone centre	There was nothing on records to show progress.
33		30.01.2018	Proposal made by Marine Salt Manufacturing Association to construct roads to connect 540 houses of salt workers	There was nothing on records to show progress on the proposal.
34			Provide the electricity to salt workers	There was nothing on records to show progress.
35		05.02.2018	Provide midday meal for salt workers	There was nothing on records to show progress.
36			Proposal for tent for salt workers.	There was nothing on records to show progress.

## Appendix XVII

## (Reference: Paragraph 2.3.3)

## List of cases selected for scrutiny

Sl. No.	Subject	Area (Ha)	Date of Stage-II Approval	Division responsible for CA	Area involved for CA (Ha.)
1	Diversion of 38.20 ha. of PF land for widening of Sarkhej-Dholka-Vataman- Pipli-Bhavnagar road km. 25/0 to 39/0, 46/6 to 69/6 and 93/8 to 133/2 in favour of Executive Engineer, Road & Building Department in Ahmedabad	38.20	03.02.15	Ahmedabad SF	76.40
2	Diversion of 151.588 ha. of PF land for widening into four lane of Bagodara to Bhavnagar road km. 61/400 to 137/800 (under VGF Yojana) in Ahmedabad District	151.588	02.11.16	Ahmedabad SF	303.18
3	Diversion of 1.53 ha. PF land for laying of drinking water carrying pipeline from Pipli to Dholera in Ahmedabad district in favour of Manager Dholera Project, Larsen and Toubro Limited Ahmedabad	1.53	29.07.17	Not Applicable	0.00
4	Diversion of 96.40 ha. of PF land for widening and strengthening of SH-25 Rajkot Bhavnagar Road (km. 96/6 to 150/8 and km. 152/8 to 166/2 in favour of Executive Engineer, R&B Division in Bhavnagar District	96.40	13.08.14	Bhavnagar	192.80
5	Diversion of 5.85 ha. of PF land for construction of 10 m wide road Kalol-Masa- Vijapur km. 3/00 to 4/00 and Nardipur -Paliyad-Veda road km. 20/00 to 28/500 at Kalol range in favour of Executive Engineer, Capital Project Division No. 3, Gandhinagar	5.85	07.08.14	Gandhinagar	11.70
6	Diversion of 173.39 ha. of PF land for widening and strengthening of NH-8 Ratanpur border to Ahmedabad (km. 388/200 to 590/000) by Project Director PIU, National Highway Authority of India, Himatnagar	173.39	23.07.15	Sabarkantha S (222) Gandhinagar (125.74)	347.74
7	Diversion of 11.547 ha. RF land for construction of village Ghoghawada-Bhuvabar-Panjelav approach road project in favour of Executive Engineer, Panchayat (R&B) Division, Godhra in Panchmahal district	11.547	01.01.14	Godhra	11.55
8	Diversion of 7.65 ha. RF land for construction of Village-Ghoghawada-Bhovabar-Simalnada-Korval approach road project in favour of Executive Engineer, Panchayat (R&B) Division, Godhra in Panchmahal District	7.65	21.05.14	Godhra	7.65
9	Diversion of 7.7328 ha. of RF land for laying of 66KV Motakhanpur-Dintavas transmission line at Ta. Khanpur and Kadana in favour of Gujarat Energy Transmission Corporation Limited in Panchmahal district	7.7328	29.10.14	Godhra	16.00
10	Diversion of 7.9625 ha. of PF land for the project of road widening of Halol -Machi Road (Bodeli Halol road km. 329/5 to 336/0) to four lane in favour of Executive Engineer, R & B Division in Panchmahal District	7.9625	07.12.17	Godhra	16.00

Sl. No.	Subject	Area (Ha)	Date of Stage-II Approval	Division responsible for CA	Area involved for CA (Ha.)
11	Diversion of 6.960 ha. of PF Land for the project of road widening of Pavagadh Hill Road (km. 0/00 to 4/800) in four lane in favour of Executive Engineer, Road and Building Division Godhra in Panchmahal District	6.960	08.12.17	Godhra	14.00
12	Diversion of 1.26 ha. of PF land for road widening & strengthening of Vadodara - Halol – Godhra road under Pravasipath Yojana in favour of Chief Officer, Nagar Seva Sadan Halol Nagar Palika in Panchmahal District	1.26	10.02.14	Godhra	2.52
13	Diversion of 3.045 ha. of PF land for road widening & strengthening of Godhra-Lunawada-Shamlaji road in favour of Executive Engineer R & B Division in Panchmahal district of Gujarat	3.045	29.10.14	Godhra	6.09
14	Diversion of 38.2520 (18.33 + 19.9220) ha. of PF and RF land for SH-2 and SH-152 Lunawada - Santrampur - Khedapa road km. 130/00 to 163/874 and widening of km. 141/925 to 162/600 and km. 2/500 to 22/200 under Gujarat State Highway Project - 2, in favour of Executive Engineer R&BD in Panchmahal District	38.2520	24.10.14	Godhra (36.66) and Bhuj (20)	56.66
15	Diversion of 15.55 ha. of PF land for road widening & strengthening of Shahera - Nadavaghijpur km. 0/00 to 31/10 in favour of Executive Engineer, Panchayat R&B Division in Panchmahal District.	15.55	06.07.15	Godhra	31.10
16	Diversion of 1.98 ha. of PF land for widening and strengthening road km. 0/0 to 10/8 Baska-Rameshra-Guttal road Ta: Halol District Panchmahal in favour of Executive Engineer, R & B Division Godhra Panchmahal District	1.98	30.12.15	Godhra	3.96
17	Diversion of 36.76 ha. PF land for widening & strengthening of Dhansura-Malpur-Meghraj road (SH No-145) corridor under Gujarat State Highway Project-2, funded by World Bank in favour of Executive Engineer, State Road Project Division in Sabarkantha District of Gujarat	36.76	12.03.14	Sabarkantha S	74.00
18	Diversion of 5.6145 ha. PF land for widening of Himatnagar-Kheda Tasiya road km. 2/660 to 6/660 road in favour of Executive Engineer R & B Division in Sabarkantha District	5.6145	02.09.14	Sabarkantha South	12.00
19	Diversion of 9.095 ha. of PF land for widening and strengthening of Majara-Talod-Harsol road km. 0/0 to 23/400 (SH 143), Section 0/0 to 16/400 and 18/400 to 23/400 in favour of Executive Engineer R & B Division in Sabarkantha District	9.095	08.04.15	Sabarkantha South	19.00
20	Diversion of 14.45 ha. PF land for widening and strengthening of Jammagar-Lalpur-Porbandar road km 6/0 to 42/0 in favour of Executive Engineer, R&B Division in Jammagar District	14.45	02.09.16	Jammagar	30.00
21	Diversion of 60.70 ha. RF land for construction of 71.25 MW wind power project in Vachchu and Gorinja villages in Dwaraka taluka in favour of Suzlon Energy Limited in Jammagar district of Gujarat	60.70	15.09.16	Jammagar	60.98
22	Diversion of 7.4787 ha. of RF land for renewal for continuation of existing brine pipeline Survey No.60 village Hatumba, S.No. 290, village: Poshetra and S. No.288, village Shamalashar, in favour of Tata Chemicals Ltd. of Gujarat	7.4787	20.04.17	Not Applicable	0.00
23	Diversion of 4.7749 ha. of RF land for continuation of existing brine pipeline, sea water intake,	4.7749	30.08.17	Jammagar	4.77

Sl. No.	Subject	Area (Ha)	Date of Stage-II Approval	Division responsible for CA	Area involved for CA (Ha.)
	electrical transmission line and approach road in favour of Tata Chemicals Ltd., Mithapur, Jamnagar district				
24	Division of 27.226 ha. reserved forest land for laying of 400 KV D/C Mundra-Kansari (Zerda) transmission line in favour of Executive Engineer (Construction) Gujarat Energy Transmission Corporation Ltd., Deesa in Kachchh, Banaskantha and Patan districts of Gujarat	27.226	12.06.15	Kachchh west	27.23
25	Division of 76.093 ha. RF land for construction of 765 KV D/C Bhuj-Banaskantha transmission line through forest area of Kachchh and Patan District in favour of AGM, Power Grid Corporation of India Ltd. in Bhachau, Gujarat	76.093	08.09.17	Aravalli Modasa	153.00
26	Division of 80.92 ha. of forest land in village: Bhadala, Bakhalvad, Devpara Godladhar, Kaduka, Kanesara, Khadvavdi, Lilapur, Rajavadlajam, Veraval, Ta. Jasdan, Dungarpur, Ta. Rajkot District Rajkot for setting up 54.40 MW Wind Power project.	80.92	23.03.16	Bhavnagar	80.92
27	Division of 33.18 ha. of PF land for widening and strengthening the road km. 212/0 to 245/486 of Atkot-Gondal State Highway under Gujarat State Highway Project-II (GSHP-II) in favour of Executive Engineer R & B Division, Rajkot	33.18	12.05.14	Jamnagar	66.36
28	Division of 7.7965 ha. of PF land for road widening SH No. 22, Tankara-Savadi-Latipur road in favour of Executive Engineer R&B division in Rajkot district	7.7965	03.07.15	Jamnagar	15.59
29	Division of 25.46 ha. of PF land at SH-97, Upleta-Kolki, Paneri-Jamjodhpur road km. 0 to 26/00 in favour of Executive Engineer R&B division in Rajkot district	25.46	21.12.15	Rajkot	50.92
30	Division of 96.11 ha. of PF land for widening and strengthening of Mehsana-Vijapur-Himatnagar road km 97/740 to 163/750 under Gujarat State Highway Project-2 funded by World Bank in favour of Executive Engineer, Road and Building Department, State Road Project Division, Rajkot	96.11	21.08.14	Sabarkantha South (29) Sabarkantha (146) Gandhinagar (18.18)	193.18
31	Division of 6.90 ha. of PF land for widening to four lane road of SH-237, Himatnagar-Talod-Ujediya from km. 0/00 to 3/500 and km. 3/500 to 8/00 to two lane road in favour of R & B Division in Sabarkantha District	6.90	08.04.15	Sabarkantha South	14.00
32	Division of 25.8375 ha. of PF land for widening of Himatnagar-Ranasan-Dhansura (SH-145) km 0/00 to 34/500 road in favour of R & B Division in Sabarkantha District	25.8375	08.04.15	Sabarkantha South	52.00
33	Division of 18.04 ha. PF land for widening of Surat-Bardoli NH 6 and NH 8 from km. 17/4 to 35/00 in favour of EE, R&B division No. 2 in Surat district	18.04	10.03.14	Surat	36.08
34	Division of 4.96 ha. of PF land for widening on both sides of existing road along Surat-Dumas main road from Rund Jakatnaka to Dumas village gate in South West (Athwa) in favour of Surat Municipal Corporation in Surat district	4.96	19.05.14	Vyara	9.92
35	Division of 7.92 ha. PF land for widening and strengthening of Areth-Boudhan-Ghata-Karjan road (MDR) km. 0/0 to 23/55 in favour of EE, Panchayat R&B, Surat	7.92	14.07.14	Surat	16.00

Sl. No.	Subject	Area (Ha)	Date of Stage-II Approval	Division responsible for CA	Area involved for CA (Ha.)
36	Diversion of 24.525 ha. PF land for widening to six lane with service road km. 8/400 to 17/400 Surat-Dhuliya road in favour of EE, R&B division in Surat district	24.525	26.02.14	Surat	49.05
37	Diversion of 9.40 ha. of PF land for widening to four lane Surat-Sachin-Navsari road km. 13/400 to 21/400 in favour of EE, R&B division, Surat	9.40	16.04.15	Surat	20.00
38	Diversion of 3.801 ha. PF land for widening and strengthening of Rander-Bhesan (Nitiaben Satbhaya junction to Bhesan treatment plant) road in favour of Executive Engineer, Road Development Department, Surat Municipal Corporation in Surat district	3.801	11.06.15	Surat	8.00
39	Diversion of 2.889 ha. PF land for construction of cement concrete road from village-Dumas to Mazarfi Desai statue in favour of Executive Engineer, Road Development Department, Surat Municipal Corporation in Surat district	2.889	07.01.16	Surat	6.00
40	Diversion of 4.785 ha. PF land for widening and strengthening of NH-06 Surat-Hajira-Kakarapar road km. 117/200 to km. 121/500 in favour of Manager, NHAI, PIU-Surat (Expressway), Surat district	4.785	11.01.16	Surat	9.57
41	Diversion of 5.6779 ha. PF land of Dedicated Freight Corridor of India limited in Vadodara-Bharuch-Surat-Ahmedabad-Kheda-Anand-Mehsana-Banaskantha-Gandhinagar and Valsad district of Gujarat	5.6779	23.05.17	Valsad South	12.00
42	Diversion of 1.863 ha. PF land for laying 400KV DC KAPP (NPP) to Navsari, transmission line in favour of DGM, Power Grid Corporation of India, Surat	1.863	22.08.17	Surat	4.00
43	Diversion of 1.8816 ha. of PF land for laying of 400 KV D/C Pirana Vadodara transmission line project in Nadiad, Anand and Vadodara District in favour of Power Grid Corporation of India Ltd.	1.8816	20.02.14	Nadiad SF (2.2532) Chhotaudepur (1.5088)	3.76
44	Diversion of 4.545 ha. of PF land for road widening and strengthening S.H.161 Dabhoi - Segwa - Rajpipla road km. 0/0 to 21/0 in favour of Executive Engineer, Road & Building Division in Vadodara District of Gujarat	4.545	03.09.12	Chhotaudepur	10.24
45	Diversion of 25.85 ha. of PF land for widening to four lane of Vadodara-Dabhoi road km. 8/3 to 29/4 in favour of Project Director, PIU, GSRDC in Vadodara district of Gujarat	25.85	20.11.14	Chhotaudepur	51.70
46	Diversion of 24.12 ha. of PF land for widening of Dabhoi-Bodeli S.H. from km. 29/600 to 68/200 in favour of Executive Engineer, State Road Project Division in Vadodara district of Gujarat	24.12	12.03.14	Chhotaudepur	48.24
47	Diversion of 11.90 ha. of PF Land for widening of SH Vadodara-Savli (2 lane to 4 lane) road km. 18/0 to 32/0 and Manjusar-Savli road in favour of EE, R&B division in Vadodara District of Gujarat	11.90	30.11.15	Chhotaudepur	23.80
	<b>Sub-Total</b>	<b>1239.4509</b>			<b>2,259.05</b>
48	Diversion of 23.88 ha. of PF land for widening of SH-17 Viramgam-Bahucharaji road km. 0/00 to 43/600 in favour of Executive Engineer, R&B Division, Ahmedabad	23.88	17.08.18	Ahmedabad SF	50.00
49	Diversion of 3.078 ha. PF Land for the project of construction of four lane R.O.B. with divided carriageway in approaches in lieu of existing L.C. No. 173/-A near village Gadkhol approach on	3.078	18.07.18	Sub division Bharuch	7.00

Sl. No.	Subject	Area (Ha)	Date of Stage-II Approval	Division responsible for CA	Area involved for CA (Ha.)
	Bhamch-Ankaleshwar Old NH-8 road km. 200/300 to 201/230 of Bharuch District in favour of Executive Engineer, Panchayat (R&B), Division Bharuch				
50	Division of 2.40 ha. PF land for project of four laning of branch Suwali road km. 0/0 to 3/0 of Surat district in favour of Executive Engineer, R&B division-I Surat	2.40	22.10.18	Surat	5.00
51	Division of 9.53 ha. of forest land for construction of Kanesara minor irrigation scheme in Rajkot District of Gujarat.	9.53	24.08.18	Rajkot	9.53
52	Division of 1058.5118 ha. of forest land for settlement of the affected people of Hadaf, Kabutari and Edalwada Medium Irrigation projects in Godhra Forest division in Panchmahal district of Gujarat	1,058.5118	25.04.18	Rajkot (498,8691) Bhavnagar (315) Jamnagar (283)	1,096.87
	<b>Sub-Total</b>				<b>1,168.40</b>
	<b>Grand Total</b>	<b>2,336.8507</b>			<b>3,427.45</b>

The final approval for diversion of forest land for non-forestry purposes were granted in 290 cases<sup>1</sup> involving an area of 3,022.07 ha during 2014-15 to 2018-19. Audit selected 13 divisions where more than 50 ha of aggregate forest area was approved for diversion during the period 2014-19. In these 13 divisions, there were 52 cases involving total area of 2,336.85 ha. The selected sample covers 77 per cent of the total area diverted in 2014-19 and includes individual forest area diverted ranging between 1.26 ha and 1,058.5118 ha.

<sup>1</sup> Cases of Gas pipeline, Transmission Line, OFC, Approach Road, Irrigation, Water Pipeline, Road widening, Petroleum Pipeline, Drinking, Drainage, Pipeline, Protection Wall, Railway, Wind Power.



## Appendix XVIII

## (Reference: Paragraph 2.3.3)

## List of violation cases selected for scrutiny

Sl. No.	Subject	Remarks
1	Division of 96.40 ha. of PF land for widening and strengthening of SH-25 Rajkot Bhavnagar Road (km. 96/6 to 150/8 and km. 152/8 to 166/2 in favour of Executive Engineer, R&B Division in Bhavnagar District of Gujarat	Final Approval accorded in August 2014
2	Division of 96.11 ha. of PF land for widening and strengthening of Mehsana-Vijapur- Himatnagar road km 97/740 to 163/750 under Gujarat State Highway Project-2 funded by World Bank in favour of Executive Engineer, Road and Building Department, State Road Project Division, Rajkot	
3	Division of 36.18 ha PF land for the project of widening 10 m to four lane of SH No.7 Viramgam-Bechraji road km 1/800 to km 42/000 Ta. Viramgam & Mandal in favour of Executive Engineer, Ahmedabad (R&B) Division in Ahmedabad district of Gujarat.	In-principle approval is accorded. Final Approval is pending
4	Division of 1.193 ha. of PF land for grant of permission of laying optical fibre cable on (1) Nagaka- Nagaka Km. 16/00 to 18/00 on SH-96 total 2.00 km. (2) Nagaka- Khambodar Km. 00/00 to Km. 7/00 on total 7 Km. (3) Khambodar-Porbandar Km. 19/00 to Km. 5/00 on SH-28, total 14.00 Kms (4) Porbandar-Porbandar Km. 372/50 to Km. 376/00 on NH-8E, total 3.50 Km. of Porbandar District in favour of Idea Cellular Ltd., Ahmedabad.	
5	Division of 0.0990 ha. of PF land for laying for grant permission for crossing Pipe-line under Chhaya Urban Water Supply Project for Bordi to Chhaya town, Village Bordi, Ranavav, Pipaliya, Vanana, Ta. Ranavav of Porbandar District in favour of Executive Engineer, GWSSB, Porbandar.	General Approval accorded by the SFD in March 2018
6	Division of 2.8575 ha. of Protected Forest land for laying of Optical Fiber Cable along (1) SH-7 from Bahucharaji-Modhera 43/500 Km. to 59/500 Km. (2) SH-134 from Modhera-Mahesana 25/500 Km. to 0/00 Km. (3) SH-133 from Chhatral-Kadi 0/000 Km. to 11/000 Km. (4) SH-133 From Kadi-Detroj 0/000 Km. to 11/000 Km. of Mahesana District in favour of AGM (Network-Operations) Vodafone West Limited, Ahmedabad	General Approval accorded by the SFD in July 2018
7	Division of 0.2250 ha. of Reserve Forest land for the construction of road to get better connectivity to the property of Rajendra Industries Ltd., Mumbai, bearing in Umargam taluka, Valsad district of Gujarat in favour of Rajendra Industries Ltd., Mumbai.	In-principle approval is accorded. Final Approval is pending
8	Division of 20.76 ha. Forest land for construction of housing accomodation and allied infrastructure facilities for employees of Essar.	In-principle approval is accorded. Final Approval is pending
9	Division of 1.9080 ha. Reserved forest land for Construction of Village. Vanaj-Badarakha. Jaleti approach road, Ta- Vjajnagar in favour of Executive Engineer Panchayat (R & B) division in Bananaskantha district of Gujarat	In-principle approval is accorded. Final Approval is pending
10	Division of 0.8325 (0.2008 ha+0.3720 ha+2597 ha) of PF land and Section-4 forest land for laying underground water pipeline at District Rajkot and Surendranagar in favour of Executive Engineer, Sardar Sarovar Narmada Nigam Ltd. Morbi and Surendranagar districts of Gujarat.	Final Approval accorded in February 2016

Sl. No. 1 and 2 are also included in Annexure XVII

**Appendix XIX**  
**(Reference: Paragraph 2.3.7)**  
**Short recovery of Net Present Value (NPV)**

Sl. No.	Name of the proposal	Area diverted (in hectare)	No. of trees to be cut	Average No. of trees cut per hectare	Rate of NPV to be leviable per hectare (in ₹)	Rate of NPV levied per hectare (in ₹)	NPV leviable (in ₹)	NPV levied (in ₹)	Short recovery of NPV (in ₹)
1	Division of 9.095 ha of PF land for widening and strengthening of Majara-Talod-Harsol road km 0/0 to 23/400 (SH 143), Section 0/0 to 16/400 and 18/400 to 23/400 in favour of Executive Engineer R & B Division in Sabarkantha District of Gujarat	9.095	756	83.12	5,63,000	4,63,000	51,20,485	42,10,985	9,09,500
2	Division of 36.76 ha PF land for widening & strengthening of Dhansura-Malpur-Meghray road (SH No-145) corridor under Gujarat State Highway Project-2, funded by World Bank in favour of Executive Engineer, State Road Project Division in Sabarkantha District of Gujarat. (km 38/500 to 64/100 and 67/700 to 85/150)	36.76	4,016	109.25	5,63,000	4,63,000	2,06,95,880	1,70,19,880	36,76,000
3	Division of 6.90 ha of PF land for widening of SH-237, Himatnagar-Talod-Ujediya from km 0/00 to 8/00 in favour of R & B Division in Sabarkantha District of Gujarat	6.90	970	140.58	5,63,000	4,63,000	38,84,700	31,94,700	6,90,000
4	Division of 25.8375 ha of PF land for widening of Himatnagar-Ranasan-Dhansura (SH-145) km 0/00 to 34/500 road in favour of R & B Division in Sabarkantha District of Gujarat.	25.8375	1,849	71.56	5,63,000	4,63,000	1,45,46,513	11,962,763	25,83,750
5	Division of 7.7965 ha of protected forest land for road widening SH No. 22, Tankara-Savadi-Latipur road in favour of Executive Engineer R&B division in Rajkot district of Gujarat	7.7965	749	96	5,63,000	4,38,000	43,89,430	34,14,867	9,74,563
6	Division of 25.85 ha. of PF land for widening to four lane of Vadodara-Dabhoi road km. 8/3 to 29/4 in favour of Project Director, PIU, GSRDC in Vadodara district of Gujarat	25.85	4,830	186	5,63,000	5,36,000	1,45,53,550	13,855,600	6,97,950
7	Division of 38.20 ha. of PF land for widening of Sarkhej-Dholka-Vataman- Pipli-Bhavnagar road km. 25/0 to 39/0, 46/6 to 69/6 and 93/8 to 133/2 in favour of Executive Engineer, Road & Building Department in Ahmedabad	38.20	1,942	51	5,63,000	4,38,000	2,15,06,600	1,67,31,600	47,75,000
8	Division of 96.11 ha. of PF land for widening and strengthening of Mehsana-Vijapur-Himatnagar road km. 97/740 to 163/750 under Gujarat State Highway Project-2 funded by World Bank in favour of Executive Engineer, R & B Department, State Road Project Division, Rajkot	96.11	10,175	106	5,63,000	4,38,000	5,41,09,930	4,32,28,050	1,08,81,880
	<b>TOTAL</b>								<b>2,51,88,643</b>



## APPENDIX XXVI

### {Reference paragraph no.7.2.10 (ii)}

#### Case Study 1

The vehicles registered in the name of Government and its undertakings are exempted from levy of motor vehicles tax as per provisions of the Gujarat Motor Vehicles Tax Act 1958.

Audit noticed that 40,915 backlog records were entered in the selected 13 units, out of which 1,677 records are of vehicles which had registration date post April 2015 to March 2019. Out of these 1,677 vehicles, audit found in 20 vehicles that the receipt number entered in the records did not match with the receipt year and month as per the logical design of receipt numbers. In these cases, the date of receipt was prior to date of purchase/ registration which pointed to probable data manipulation. On detailed scrutiny, it was found that the application for registration was first entered as Government Undertaking in Vehicle Registration module, exemption from payment of motor vehicles tax was claimed and new registration transaction was approved by the system. Subsequently, the vehicle category had been changed in the data from 'Government Undertaking' to 'Individual' and fake tax receipt number and amount was entered through backlog module. Further, Form 20/E was not made available to audit to check the veracity of the documents produced at the time of registration of the vehicle as these forms were not traceable in the office. This indicates both (i) lacunae in the design of the Vahan 4.0 application and (ii) inadequate restriction and validation controls in backlog module, which resulted in data manipulation and depriving Government of revenue of ₹ 56.26 lakh.

#### Case Study 2

Section 11 of MV Act, 1988 provides for the addition of another class of motor vehicle to any driving licence on application made by the holder of the licence. As per CMVR 1989, the minimum educational qualification of eighth standard is required for obtaining a licence to drive a transport vehicle.

The authorities at RTO Ahmedabad noticed (28 January 2019) illegal/ wrong entries in respect of 84 driving licences made through backlog module of Sarathi 4.0 by hacking the system on 25 December 2018 and 26 December 2018, both days were holidays. In these cases, additional class of vehicle was entered in the driving licences which included category of transport vehicles also. It was further noticed that the system allowed to add transport vehicles class in the DLs where the holder did not possess the prescribed minimum educational qualification. This indicated both weak access controls as well as poor input restriction and validation controls.

**APPENDIX XXVII**

**{Reference paragraph no.7.2.11 (i)}**

The following table shows the approvals granted in Vahan 4.0 by supervisor and non-supervisor cadre officials in 12 RTO/ARTOs:

**Approvals granted to various services by the officials of the RTO/ ARTOs**

Sl. No.	Designation of staff	Name of RTO/ARTOs	Nature of services and total number of approvals granted in the system				
			New Registration (Transport and Non-Transport)	Issuance of permits	Backlog	Tax Clearance	Vahan Citizen Services (Post Registration Services)
<b>Supervisory staff</b>							
1.	RTO /ARTO	Botad, Gandhinagar	51,284	-	-	-	-
2.	IMV / Assistant IMV	Bavla, Botad, Chhotaudepur, Dahod, Jamkhambaliya	25,438	12	-	-	9,518
3.	Public Relations Officer (PRO)	Bhavnagar	12,786	-	-	-	8,598
<b>Non-Supervisory staff</b>							
4.	Operator / Assistant Programmer	Jamkhambaliya	12,381	-	-	405	8,312
5.	Junior Clerk	Dahod, Gandhinagar, Jamkhambaliya, Jamnagar, Modasa, Surat	2,18,657	8,065	19,200	5,155	2,22,781
6.	Senior Clerk	Bhavnagar, Botad, Chhotaudepur, Dahod, Gandhinagar	1,36,686	53,675	22,853	25,950	6,25,451
7.	Head Clerk	Bavla, Bhavnagar, Bharuch, Botad, Chhotaudepur, Dahod, Gandhinagar, Jamkhambaliya, Jamnagar, Rajpipla (Narmada), Surat,	5,70,622	29,741	51,714	10,886	4,93,847

It can be seen from the above table that:

- In the case of new registration of transport/non-transport vehicles, 9,38,346 approvals were granted by the non-supervisory cadre staff as against 89,508 (8.71 per cent) approvals granted by the Supervisory staff.
- In the case of issuance of permits, 91,481 approvals were granted for issuance of permits by the non-supervisory staff while only 12 approvals (0.01 per cent) were granted by the supervisory staff.
- In backlog and tax clearance, no approvals were granted in the system by the supervisory staff as against 1,36,163 approvals granted by the non-supervisory staff.
- As far as Vahan Citizen Services is concerned, as against 13,50,391 approvals granted by the non-supervisory staff, only 18,116 approvals (1.32 per cent) were granted in the system by the supervisory staff.

## APPENDIX XXVIII

## {Reference paragraph no.7.2.11 (ii) (a)}

The following table shows the approvals granted in Vahan 4.0 by supervisor and non-supervisor cadre officials in 12 RTO/ARTOs:

## Various levels of authorisation carried out by the same official

Sl. No.	Designation of the staff	Particulars	Nature of service and number of applications					
			New Registration (Transport and Non-Transport)	Issuance of permits	Back-log	Issuance of Fitness Certificate	Tax clearance	Vahan Citizen Services (Post Registration Services)
<b>Name of RTO/ARTO:</b> Dahod, Gandhinagar, Jamkhambalia								
1.	Junior Clerk	Entry, Verification and approval by the same staff	49,562	7,210	8,338	-	4,016	90,370
		Verification and approval by the same staff	-	-	-	-	906	-
<b>Name of RTO/ARTO:</b> Bhavnagar, Botad, Dahod, Gandhinagar, Surat								
2.	Senior Clerk	Entry, Verification and approval by the same staff	11,923	45,393	-	-	7,470	92,674
		Verification and approval by the same staff	1,10,002	4,329	22,047	-	13,285	4,19,912
<b>Name of RTO/ARTO:</b> Bharuch, Bhavnagar, Dahod, Gandhinagar, Jamkhambaliya								
3.	Head Clerk	Entry, Verification and approval by the same staff	-	2,199	-	-	34	18,194
		Verification and approval by the same staff	21,371	11,041	758	-	-	1,52,118
<b>Name of RTO/ARTO:</b> Bhavnagar								
4.	PRO	Entry, Verification and approval by the same staff	-	-	-	-	-	-
		Verification and approval by the same staff	12,786	-	-	-	-	-
<b>Name of RTO/ARTO:</b> Bharuch, Bhavnagar, Botad, Chhotaudepur, Dahod, Gandhinagar and Jamnagar								
5.	Inspector of MV / Asst. Inspector of MV	Entry, Verification and approval by the same staff	-	-	-	82,835	-	3,876
		Verification and approval by the same staff	50,704	-	-	42,726	-	-

**APPENDIX XXIX**

**{Reference paragraph no.7.2.11 (ii) (a)}**

**Case study 3**

The invoice value of 80 Royal Enfield Motor Cycles was reduced between 01 April 2018 to 14 August 2018 from the Login IDs of the Sr. Clerks of RTO, Bhavnagar prior to verification and approval of registration of these vehicles in Vahan 4.0 application. The verification and approval in the system in all these cases was done from the login ID of PRO and Senior Clerks of the office. It was further observed that in 28 cases the rectification entry, verification and approval of the data entered in the system was done from the same login ID of two Senior Clerks. The amount of tax involved in these 80 vehicles was ₹ 7.03 lakh including interest and penalty. Thus, improper segregation of duties and lack of monitoring by the RTO on approvals granted through Vahan 4.0 resulted in defrauding of the Government.

Audit noticed that there was no check of the data entered in the system by the RTOs. Further, Form 20/E was not made available to audit to check the veracity of the documents produced at the time of registration of the vehicle as these forms were not traceable in the office. Though, the Government revenue had been recovered and the staff involved in the case have been suspended, Audit noticed that the corrective action such as segregation of duties and granting of approval by the RTO since the detection of the cases was not done in the system.

## Appendix XX

(Reference: Paragraph 2.3.7)

## Short recovery of Net Present Value in violation cases

(₹ in lakh)

Sl. No.	Name of the proposal	Area diverted (in hectare)	Rate of NPV applied	Rate of NPV applicable	NPV recovered	NPV recoverable	Short recovery
1	Diversion of 36.18 ha of PF land for widening 10 m to four lane of Sh-7 Viramgam – Becharaji road km 1/800 to 42/00 Ta: Viramgam and Mandal in Ahmedabad district in favour of Executive Engineer, Ahmedabad R&B Division	36.18	4.38	5.63	158.47	203.69	45.22
2	Diversion of 1.193 ha of PF land for laying of underground OFC length 26.500 km (1) Nagaka on SH-96, 2 km (2) Nagaka-Khambhodar on MDR Road 7 km (3) Khambhodar-Porbandar on Sh-28, 14 km (4) Porbandar on NH-8E, 3.50 km in Porbandar District of Gujarat	1.193+ 0.054 (penal NPV recoverable @ 20 per cent of the applicable rate of NPV per year till date of deposit)	4.38	5.63	5.37 (5.23 + 0.14 (penal NPV))	6.90 (6.72 + 0.18 (penal NPV))	1.53
3	Diversion of 0.099 ha of PF land for grant of permission for crossing pipeline under Chhaya Urban Water Supply Project for Bordi to Chhaya Town, Village Bordi Ranavav Pipaliya Vanana Ta. Ranavav of Porbandar district in favour of executive Engineer GWSSB, Porbandar	0.099	4.38	5.63	0.43	0.56	0.13
4	Diversion of 2.8575 ha of PF land for laying OFC along (1) SH-7 From Bahucharaji-Modhera (km 43/500 to 59/500) (2) SH-134 From Modhera-Mehsana (km 25/500 to 0/000) (3) SH-133 From Chhatral-Kadi (0/00 kms to 11/000 kms) (4) SH-133 from Kadi-Detroj Km 0/000 to 11/000 of Mehsana District in favour of AGM (Network Operations) Vodafone West Limited, Ahmedabad	2.8575 + 1 (penal NPV)	4.38	5.63	16.90	21.72	4.82
<b>TOTAL</b>					<b>181.17</b>	<b>232.87</b>	<b>51.70</b>

**Appendix XXI**

**(Reference: Paragraph 2.3.7)**

**Short recovery of Compensatory Afforestation**

**(₹ in lakh)**

Sl. No.	Name of the proposal	In-principle approval	CA Recoverable	CA recovered	Short recovery
		Formal Approval			
1	Diversion of 3.078 ha. PF Land for the project of construction of four lane R.O.B. with divided carriageway in approaches in lieu of existing L.C. No. 173/-A near village Gadkhol approach on Bharuch-Ankaleshwar Old NH-8 road km. 200/300 to 201/230 of Bharuch District in favour of Executive Engineer, Panchayat (R&B), Division Bharuch	01 June 2017	24.16	19.00	5.16
		18 July 2018			
2	Diversion of 96.40 ha. of PF land for widening and strengthening of SH-25 Rajkot Bhavnagar Road (km. 96/6 to 150/8 and km. 152/8 to 166/2 in favour of Executive Engineer, R&B Division in Bhavnagar District of Gujarat	12 Match 2014	455.23	369.06	86.17
		13 August 2014			
		Penal CA	25.22	20.51	4.71
3	Diversion of 173.39 ha. of PF land for widening and strengthening of NH-8 Ratanpur border to Ahmedabad (km. 388/200 to 590/000) by Project Director PIU, National Highway Authority of India, Himatnagar	April 2013	655.19	642.24	12.95
		23 July 2015			
4	Diversion of 1,058.5118 ha. of forest land for settlement of the affected people of Hadaf, Kabutari and Edalwada Medium Irrigation projects in Godhra Forest division in Panchmahal	26 August 2011	3,948.38	3,741.90	206.48
		25 April 2018			
5	Diversion of 15.55 ha. of PF land for road widening & strengthening of Shahera - Nadavaghjipur km. 0/00 to 31/10 in favour of Executive Engineer, Panchayat R&B Division in Panchmahal District of Gujarat	11 March 2014	78.33	54.74	23.59
		6 July 2015			

Sl. No.	Name of the proposal	In-principle approval	CA Recoverable	CA recovered	Short recovery
		Formal Approval			
6	Diversion of 7.9625 ha. of PF land for the project of road widening of Halol -Machi Road (BodeliHalol road km. 329/5 to 336/0) to four lane in favour of Executive Engineer, R & B Division in Panchmahal District of Gujarat	10 July 2017	56.71	55.14	1.57
		07 December 2017			
7	Diversion of 6.960 ha. of PF Land for the project of road widening of Pavagadh Hill Road (km. 0/00 to 4/800) in four lane in favour of Executive Engineer, Road and Building Division Godhra in Panchmahal District of Gujarat	10 July 2017	49.62	48.24	1.38
		08 December 2017			
8	Diversion of 4.7749 ha. of RF land for continuation of existing brine pipeline, sea water intake, electrical transmission line and approach road in favour of Tata Chemicals Limited, Mithapur, Jannagar district of Gujarat	9 October 2012	19.57	7.71	11.86
		30 August 2017			
		Penal CA	32.76	15.41	17.35
9	Diversion of 76.093 ha. RF land for construction of 765 KV D/C Bhuj-Banaskantha transmission line through forest area of Kachchh and Patan District in favour of AGM, Power Grid Corporation of India Ltd. in Bhachau, Gujarat	21 April 2017	528.10	512.12	15.98
		08 September 2017			
10	Diversion of 9.53 ha. of forest land for construction of Kanesara minor irrigation scheme in Rajkot District of Gujarat	20 August 2003	40.17	11.13	29.04
		24 August 2018			
11	Diversion of 25.46 ha. of PF land at SH-97, Upleta-Kolki, Paneri-Jamjodhpur road km. 0 to 26/00 in favour of Executive Engineer R&B division in Rajkot district of Gujarat	18 February 2015	129.34	123.50	5.84
		21 December 2015			
12	Diversion of 24.12 ha. of PF land for widening of Dabhoi-Bodeli S.H. from km. 29/600 to 68/200 in favour of Executive Engineer, State Road Project Division in Vadodara district of Gujarat	06 September 2013	90.89	68.45	22.44
		12 March 2014			

Sl. No.	Name of the proposal	In-principle approval	CA Recoverable	CA recovered	Short recovery
		Formal Approval			
13	Diversion of 60.70 ha. RF land for construction of 71.25 MW wind power project in Vachchhu and Gorinja villages in Dwarka taluka in favour of Suzlon Energy Limited in Jamnagar district of Gujarat	26 December 2008	144.00	136.06	7.94
		15 September 2016			
14	Diversion of 2.889 ha. PF land for construction of cement concrete road from village-Dumas to Mazarfi Desai statue in favour of Executive Engineer, Road Development Department, Surat Municipal Corporation in Surat district of Gujarat	28 May 2015	19.37	15.24	4.13
		07 January 2016			
<b>Sub-Total</b>			<b>6,297.04</b>	<b>5,840.45</b>	<b>456.59</b>
<b>Violation Case</b>					
1	Diversion of 1.9080 ha. of RF land for construction of village Vanat-Badarkaga-Jaleti approach road Ta. Vijaynagar in favour of Executive Engineer, Panchayat R&B Division in Banaskantha District of Gujarat	14 July 2014	7.36	4.04	3.32
		Pending			
		Penal CA	12.32	8.09	4.23
<b>Sub-Total</b>			<b>19.68</b>	<b>12.13</b>	<b>7.55</b>
<b>Grand Total</b>			<b>6,316.72</b>	<b>5,852.58</b>	<b>464.14</b>



## Appendix XXII

(Reference: Paragraph 2.3.8)

**Cases in which cost-benefit analysis were not carried out as per specified parameters in Guidelines**

Sl. No.	Name of the proposal	Remarks
1	Diversion of 38.20 ha. of PF land for widening of Sarkhej-Dholka-Vataman-Pipli-Bhavnagar road km. 25/0 to 39/0, 46/6 to 69/6 and 93/8 to 133/2 in favour of Executive Engineer, Road & Building Department in Ahmedabad	The cost benefit has not been carried out as per prescribed parameters and only a general statement is attached.
2	Diversion of 151.588 ha. of PF land for widening into four lane of Bagodara to Bhavnagar road km. 61/400 to 137/800 (under VGF Yojana) in Ahmedabad District	
3	Diversion of 23.88 ha. of PF land for widening of SH-17 Viramgam-Bahucharaji road km. 0/00 to 43/600 in favour of Executive Engineer, R&B Division, Ahmedabad	
4	Diversion of 96.40 ha. of PF land for widening and strengthening of SH-25 Rajkot Bhavnagar Road (km. 96/6 to 150/8 and km. 152/8 to 166/2 in favour of Executive Engineer, R&B Division in Bhavnagar	
5	Diversion of 173.39 ha. of PF land for widening and strengthening of NH-8 Ratanpur border to Ahmedabad (km. 388/200 to 590/000) by Project Director PIU, National Highway Authority of India, Himatnagar	Only the evaluation of benefit was submitted. There was no statement for evaluation for losses. Hence the cost benefit analysis was not carried out.
6	Diversion of 36.76 ha. PF land for widening & strengthening of Dhansura-Malpur-Meghraj road (SH No-145) corridor under Gujarat State Highway Project-2, funded by World Bank in favour of Executive Engineer, State Road Project Division in Sabarkantha District of Gujarat	
7	Diversion of 27.226 ha. reserved forest land for laying of 400 KV D/C Mundra-Kansari (Zerda) transmission line in favour of Executive Engineer (Construction) Gujarat Energy Transmission Corporation Ltd., Deesa in Kachchh, Banaskantha and Patan districts of Gujarat	The cost benefit analysis was not carried out as per prescribed parameters of the MoEF. The cost benefit analysis submitted by the user agency on different parameters were accepted
8	Diversion of 76.093 ha. RF land for construction of 765 KV D/C Bhuj-Banaskantha transmission line through forest area of Kachchh and Patan District in favour of AGM, Power Grid Corporation of India Ltd. in Bhachau, Gujarat	
9	Diversion of 80.92 ha. of forest land in village: Bhadala, Bakhvalvad, Devpara Godladhar, Kaduka, Kanesara, Khadvavdi, Lilapur, Rajavadlajam, Veraval, Ta: Jasdan, Dungarpur, Ta. Rajkot District Rajkot for setting up 54.40 MW Wind Power project.	Only the evaluation of benefit was submitted. There was no statement for evaluation for losses. Hence the cost benefit analysis was not carried out.
10	Diversion of 33.18 ha of PF land for widening and strengthening the road km. 212/0 to 245/486 of Atkot-Gondal State Highway under Gujarat State Highway Project-II (GSHP-II) in favour of Executive Engineer R & B Division, Rajkot	The cost benefit has not been carried out as prescribed and only a general statement is attached.
11	Diversion of 96.11 ha. of PF land for widening and strengthening of Mehsana-Vijapur- Himatnagar road km 97/740 to 163/750 under Gujarat State Highway Project-2 funded by World Bank in favour of Executive Engineer, Road and Building Department, State Road Project Division,	

<b>Sl. No.</b>	<b>Name of the proposal</b>	<b>Remarks</b>
	Rajkot	Hence the cost benefit analysis was not carried out.
12	Diversion of 25.8375 ha. of PF land for widening of Himatnagar-Ranasan-Dhansura (SH-145) km 0/00 to 34/500 road in favour of R & B Division in Sabarkantha District of Gujarat	Only the evaluation of benefit was submitted. There was no statement for evaluation for losses.
13	Diversion of 24.525 ha. PF land for widening to six lane with service road km. 8/400 to 17/400 Surat-Dhuliya road in favour of EE, R&B division in Surat district Gujarat	Hence the cost benefit analysis was not carried out.
14	Diversion of 25.85 ha. of PF land for widening to four lane of Vadodara-Dabhoi road km. 8/3 to 29/4 in favour of Project Director, PIU, GSRDC in Vadodara district	The cost benefit has not been carried out as prescribed and only a general statement is attached.
15	Diversion of 24.12 ha. of PF land for widening of Dabhoi-Bodeli S.H. from km. 29/600 to 68/200 in favour of Executive Engineer, State Road Project Division in Vadodara district	

**Appendix XXIII**  
**(Reference: Paragraph 2.3.9)**

**Cases where amounts were recovered by the Department in compliance to additional conditions**

Sl. No.	Name of the Diversion case	Category	Amount recovered/recoverable (in Lakh)
1	Diversion of 1.98 ha. of PF land for widening and strengthening road km. 0/0 to 10/8 Baska-Rameshra-Gutal road Ta: Halol District Panchmahal in favour of Executive Engineer, R & B Division Godhra Panchmahal District	Road	5.05
2	Diversion of 7.65 ha. RF land for construction of Village-Ghoghawada-Bhovabar-Simalnada-Korval approach road project in favour of Executive Engineer, Panchayat (R&B) Division, Godhra in Panchmahal District	Road	2.66
3	Diversion of 11.547 ha. RF land for construction of village Ghoghawada-Bhuvabar-Panjelav approach road project in favour of Executive Engineer, Panchayat (R&B) Division, Godhra in Panchmahal district	Road	19.11
4	Diversion of 24.525 ha. PF land for widening to six lane with service road km. 8/400 to 17/400 Surat-Dhuliya road in favour of EE, R&B division in Surat	Road	4.49
5	Diversion of 9.40 ha. of PF land for widening to four lane Surat-Sachin-Navsari road km. 13/400 to 21/400 in favour of EE, R&B division, Surat	Road	5.03
6	Diversion of 18.04 ha. PF land for widening of Surat-Bardoli NH 6 and NH 8 from km. 17/4 to 35/00 in favour of EE, R&B division No. 2 in Surat district	Road	5.86
7	Diversion of 4.96 ha. of PF land for widening on both sides of existing road along Surat-Dumas main road from RundJakatnaka to Dumas village gate in South West (Athwa) in favour of Surat Municipal Corporation in Surat	Road	1.09
8	Diversion of 4.545 ha. of PF land for road widening and strengthening S.H.161 Dabhoi - Segwa - Rajpipla road km. 0/0 to 21/0 in favour of Executive Engineer, Road & Building Division in Vadodara District	Road	30.33
9	Diversion of 96.11 ha. of PF land for widening and strengthening of Mehsana-Vijapur- Himatnagar road km 97/740 to 163/750 under Gujarat State Highway Project-2 funded by World Bank in favour of Executive Engineer, Road and Building Department, State Road Project Division, Rajkot	Road	84.38 (recoverable)
10	Diversion of 1.863 ha. PF land for laying 400KV DC KAPP (NPP) to Navsari, transmission line in favour of DGM, Power Grid Corporation of India, Surat	Transmission Line	23.99.
11	Diversion of 27.226 ha. reserved forest land for laying of 400 KV D/C Mundra-Kansari (Zerda) transmission line in favour of Executive Engineer (Construction) Gujarat Energy Transmission corporation Ltd. Deesa in Kachchh, Banaskantha and Patan districts	Transmission Line	43.75
12	Diversion of 76.093 ha RF land for construction of 765 KV D/C BhujBanaskantha Transmission line through forest area of Kachchh and Patan District in favour of AGM, Power Grid Corporation of India Ltd. in Bhachau	Transmission Line	450.90
13	Diversion of 7.7328 ha. of RF land for laying of 66KV Motakhanpur-Dintavas transmission line at Ta. Khanpur and Kadana in favour of Gujarat Energy Transmission Corporation Limited in Panchmahal	Transmission Line	24.09
14	Diversion of 60.70 ha. RF land for construction of 71.25 MW wind power project in Vachchhu and Gorinja villages in	Wind Power	21.38

<b>Sl. No.</b>	<b>Name of the Diversion case</b>	<b>Category</b>	<b>Amount recovered/recoverable (in Lakh)</b>
	Dwarka taluka in favour of Suzlon Energy Limited in Jamnagar district of Gujarat		
15	Diversion of 80.92 ha. of forest land in village: Bhadala, Bakhalvad, Devpara Godladhar, Kaduka, Kanesara, Khadvavdi, Lilapur, Rajavdlajam, Veraval, Ta: Jasdan, Dungarpur, Ta. Rajkot District Rajkot for setting up 54.40 MW Wind Power project	Wind Power	16.32
		TOTAL	654.05

## Appendix XXIV

(Reference: Paragraph 2.3.11)

## Details of irregular and inadmissible activities

APO Year	Name of the activity	Amount disbursed (₹ in lakh)	Remarks
2014-15 and 2015-16	Chartered Accountants for preparation of accounts	2.81	<ul style="list-style-type: none"> <li>As per instructions of <i>Ad-hoc</i> CAMPA (2014-15), the expenditure was to be incurred out of the interest generated from CAMPA funds. However, it was incurred from CAMPA funds.</li> </ul>
2017-18	Purchase of Jeep	487.21	<ul style="list-style-type: none"> <li>The State CAMPA disbursed ₹ 4.87 crore against the provision of ₹ 1.40 crore for purchase of Jeep in the APO. Since the purchase of jeep was kept under the category of 15 per cent for items on which the States were dissuaded to incur expenditure, the vehicles were purchased for use by officers. However, the release order disallowed any expenditure on purchase of new vehicles for officers.</li> <li>These are either new items or not related to maintenance works.</li> </ul>
	Eco-park Gandhinagar	100	
	Biodiversity park	50	
	Botanical garden	50	
	Rubble wall with cement pointing	553.75	
	Check dam	250	
	Van <i>talavadi</i>	126	
	Butterfly park	60	
	Boundary pillar	150	
	Assessment of tree cover in municipal corporations of Gujarat	19	
Salary to technical staff on contractual basis	68.50		
Maintenance of <i>Sanskrutik Van</i>	400		
2018-19	Purchase of Jeep	140.23	<ul style="list-style-type: none"> <li>The expenditure on purchase of new vehicles for officers, repairs and maintenance of rest houses and eco-tourism was not allowed. Against the provision of ₹ 1.75 crore the State CAMPA disbursed ₹ 1.40 crore for purchase of jeep.</li> <li>Safari Park falls under the category of eco-tourism activities and is not a core activity.</li> </ul>
	Safari Park	100	
<b>TOTAL</b>		<b>2,557.50</b>	

(Source: Information provided by the Department)

**Appendix XXV**  
**(Reference: Paragraph 2.3.14)**

**Cases where additional plantation was suggested by Forest Department/  
Other Department of GoG and Central Government**

Sl. No.	Name of the Proposal	No. of trees cut	Additional Plantation
1	Diversion of 7.92 ha. PF land for widening and strengthening of Areth-Boudhan-Ghata-Karjan road (MDR) km. 0/0 to 23/55 in favour of EE, Panchayat R&B, Surat	1,441	The Joint Secretary to the GoG stated that considering the huge number of trees required to be felled additional condition of 10 times the trees to be cut ( <i>i.e.</i> , 14,410) would be planted in the forest land for which the amount would be deposited by user agency.
2	Diversion of 25.85 ha. of PF land for widening to four lane of Vadodara-Dabhoi road km. 8/3 to 29/4 in favour of Project Director, PIU, GSRDC in Vadodara district of Gujarat	4,830	The approval was granted with the condition that additionally 10 times (48,300) the number of trees to be cut <i>i.e.</i> , 4830 is required to be planted. The division recovered ₹ 252.67 lakh for plantation of 48,300 trees.
3	Diversion of 5.85 ha. of PF land for construction of 10 m wide road Kalol-Masa-Vijapur km. 3/00 to 4/00 and Nardipur –Paliyad-Veda road km. 20/00 to 28/500 at Kalol range in favour of Executive Engineer, Capital Project Division No. 3, Gandhinagar	341	In the interest of conservation twice the no. of trees to be cut <i>i.e.</i> 682 trees would be planted would be planted by the Forest Department for which ₹ 1.77 lakh has been recovered from the user agency.
4	Diversion of 151.588 ha. of PF land for widening into four lane of Bagodara to Bhavnagar road km. 61/400 to 137/800 (under VGF Yojana) in Ahmedabad District	3,935	The State level Environment Impact Assessment authority, GoG, accorded clearance (2009), which <i>inter alia</i> included plantation of ten times the number of trees to be cut in the project. However, no such condition was kept by GoG which according forest clearance under FCA, 1980.