

APPENDIX I

(Reference: Paragraph No. 1.7.1)

Year-wise breakup of outstanding Inspection Reports as on 30 September 2017

Sl. No.	Department	Upto 2012-13		2013-14		2014-15		2015-16		2016-17		Total	
		No. of IRs	No. of Paras	No. of IRs	No. of Paras	No. of IRs	No. of Paras	No. of IRs	No. of Paras	No. of IRs	No. of Paras	No. of IRs	No. of Paras
1.	Agriculture & Co-operation	26	68	18	89	20	83	16	86	14	63	94	389
2.	Energy & Petrochemicals	1	1	1	2	1	6	2	10	1	7	6	26
3.	Finance	1	3	0	0	1	2	2	7	2	9	6	21
4.	Forests & Environment	4	5	14	47	12	40	6	24	11	55	47	171
5.	Industries & Mines	15	66	10	33	5	12	9	44	13	56	52	211
6.	Narmada, Water Resources, Water Supply & Kalpsar (except Water Supply)	47	126	31	76	45	107	19	68	10	49	152	426
7.	Ports & Transport	0	0	1	4	0	0	2	6	4	9	7	19
8.	Roads & Buildings	27	67	35	103	27	75	16	44	19	123	124	412
9.	Science & Technology	0	0	1	5	2	9	0	0	1	11	4	25
10.	Climate Change	0	0	0	0	0	0	1	9	1	4	2	13
Total		121	330	111	359	113	334	73	298	76	386	494	1,713

APPENDIX II

(Reference: Paragraph No. 2.5)

Details showing the Schemes/ Sub-Schemes Selected

(₹ in crore)

Sl. No.	Scheme/Sub-Schemes	Total Expenditure 2012-17
Plan Schemes		
1	FSH-2 (Normal)	
	(i) Aerator Assistance	0.05
	(ii) Boat and Net	0.77
	(iii) Farm renovation	6.1
	(iv) Fish seed rearing	6.83
	(v) Insulated box	0.33
	(vi) Storage of fish/prawn seed	1.43
2	FSH-2(SCSP)	
	(i) Boat and Net	0.15
	(ii) Fish seed rearing	0.55
	(iii) Fisherman Housing	0
	(iv) Storage of fish seed	0.47
	(v) Storage of prawn seed	2.68
3	FSH-2(Tribal)	
	(i) Boat and Net	0.53
	(ii) Farm renovation	5.65
	(iii) Fish seed rearing	3.08
	(iv) Fisherman Housing	2.39
	(v) Housing Facilities	0.29
	(vi) Road, Street Light <i>etc.</i>	0.11
	(vii) Spawn Production	3.98
	(viii) Spawn Rearing	2.02
	(ix) Storage of fish seed	2.92
	(x) Storage of prawn seed	10.46
4	FSH-5	
	(i) Aerator Assistance	1.31
	(ii) Infra Development Road	21.09
5	FSH-7	
	(i) 4 inch Gill net	4.36
	(ii) Assistance to women SHG	0.14
	(iii) Electrical Appliances	9.86
	(iv) GPS	4.93
	(v) Insulated box	5.01
	(vi) Life-saving equipments	34.87
	(vii) Mechanised Lorry to women SHG	0.15
6	FSH-8	
	(i) Machines	5.13
7	FSH-9	
	(i) Processing plant, cold storage <i>etc.</i>	6.1
8	FSH-13(Normal)	
	(i) Fisherman Housing	2.25
9	FSH-13(TASP)	
	(i) Fisherman Housing	0
	(ii) Road, Street Light <i>etc.</i>	0
	Total	145.99
Non Plan Schemes		
1	(i) Diesel VAT Subsidy	421.23
	Grand Total	567.22

APPENDIX III
(Reference: Paragraph No. 2.12.2)
Details of Physical Target and Achievement in Inland Fisheries Schemes

Sl. No.	Name of Scheme	Unit	2012-13		2013-14		2014-15		2015-16		2016-17		Total	
			Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
1	Fish Seed Production and Development of Inland Fisheries (FSH-2) Normal													
	Fish Seed Production	Beneficiary	625	466	600	549	600	647	600	690	600	595	3,025	2,947
	Farm renovation	No.	8	7	8	8	9	9	9	9	9	7	42	40
	Auditorium maintenance	No.	1	1	40,001	21,131	40,001	29,501	40,001	31,107	40,001	25,501	1,60,005	1,07,241
	Aquarium fish breeding	No.	40,000	27,850									40,000	27,850
	Storage of Fish seed	in lakh	504	526.28	408	902.13	408	360.06	472	703.85	439	456.92	2,231	2,949.24
	Storage of Prawn seed	in lakh	0	0	0	0	0	0	0	0	0	0	0	0
	Boat and Net	No.	80	245	47	289	60	189	93	293	93	319	373	1,335
	Fish sales assistance	Women	320	454	280	198	280	274	280	310	320	272	1,480	1,508
	Plastic crate	No.	2,000	1,924	2,330	1,330	2,330	1,605	3,000	855	2,440	275	12,100	5,989
	Boat for village lake	FRP (No.)	0	0	0	0	0	0	0	0	0	0	0	0
		Tin (No.)	0	0	0	0	0	0	0	0	0	0	0	0
	Grub hatchery for colourful fish	No.	20	6	22	9	22	0	13	12	14	5	91	32
	Rearing space development- Reservoir	Hectare	22	21	20	15	20	10	17	9	9	1	88	56
	Fish seed hatchery	No.	1	0	1	0	1	0	1	0	1	0	5	0
	Aerator Assistance	No.	20	7	12	6	12	8	12	1	12	5	68	27
	Patrolling cum fish collection boat	No.	2	3	2	1	2	44	4	6	4	5	14	59
	Assistance for purchase of insulated box	No.	106	63	106	61	133	115	133	56	107	52	585	347
	Fish Culture Cage	No.	0	0	0	0	36	67	67	20	120	62	254	118
	Foot fishermen assistance	No.	0	0	0	0	0	0	695	774	593	589	1,288	1,363
2	Fish Seed Production and Development of Inland Fisheries (FSH-2) S C S Plan													
	Fish seed rearing	beneficiary	200	123	200	163	180	165	220	163	220	185	1,020	799
	Fish sales assistance	beneficiary	100	66	70	18	60	17	100	82	100	41	430	224
	Boat and Net	No.	20	9	20	11	10	29	20	8	20	59	90	116
	Training	Trainees	4,000	4,129	3,800	3,841	3,800	3,837	4,000	4,038	3,660	3,714	19,260	19,559
	Fishermen Housing	No. of houses	30	0	30	0	12	0	26	0	2	0	100	0
	Housing facilities	No.	0	0	1	0	1	0	2	0	1	0	5	0
	Storage of Fish seed	in lakh	55	38.25	51	163.08	54	26.78	60	32.93	49.5	187	269.5	448.04

Sl. No.	Name of Scheme	Unit	2012-13		2013-14		2014-15		2015-16		2016-17		Total	
			Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
	Storage of prawn seed	in lakh	25	42.73	30	8.68	40	6	64	159.28	60	49.63	219	266.32
	Patrolling cum fish collection boat and vehicle for transportation of fish	Boat (No.)	0	0	1	0	1	1	6	2	4	0	12	3
		Vehicle (No.)	1	0	0	0	0	0	0	0			1	0
	Road, street light and solar light in SC housing colony	No. of colony	1	0	0	0	0	0	0	0	0	0	1	0
3	Fish Seed Production and Development of Inland Fisheries (FSH-2) Tribal													
	Administration	No.	32	29	31	23	31	4	30	4	28	0	152	60
	Farm renovation	No.	9	9	9	11	9	13	9	10	9	6	45	49
	Spawn production	in crore	55	47.87	55	53	55	55	55	64.45	55	64.71	275	285.03
	Spawn rearing	Women	500	514	500	512	500	566	550	567	550	496	2,600	2,655
	Fish seed rearing	Beneficiary	600	726	600	761	600	751	550	693	550	796	2,900	3,727
	Reservoir patrolling	Trip	0	0	0	0	0	0	0	0	0	0	0	0
	Boat net	No.	100	160	60	152	60	125	61	190	66	126	347	753
	Storage of fish seed	in lakh	150	473.67	150	280	200	371	200	393.66	200	129.44	900	1,647.77
	Storage of prawn seed	in lakh	150	179.71	150	100	180	39	180	198.82	180	206.87	840	724.4
	Training	Trainees	600	610	600	606	600	614	600	598	600	627	3,000	3,055
	Kit for Tribal trainees	No.	600	575	600	607	600	574	500	568	600	592	2,900	2,916
	Villages lakes FRP/Tin boat	FRP (No.)	0	0	0	0	0	0	0	0	0	0	0	0
		Tin (No.)	0	0	0	0	0	0	0	0	0	0	0	0
	Rearing space development-Reservoir	Hectare	11	6	3	2	4	2	1	1	1	1	20	12
	Fishermen Housing	No.	140	142	130	120	100	155	110	53	100	8	580	478
	Housing facilities	No.	0	0	2	4	2	1	1	1	1	2	6	8
	Road, street light and solar light facilities	No. of colony	2	2	0	0	0	0	0	0	0	0	2	2
4	Statistics on development of Inland Fisheries (FSH-3) Normal CSS													
	Administration	No.	0	0	0	0	4	4	4	0	4	0	12	4
5	Production of Fish seeds through Fish Farmer Development Agency (FSH-4) Normal													
	Fish seed rearing	Hectare	2,100	192	2,100	0	2,100	85	901	0	300	0	7,501	277
	Lake upgradation	Hectare	2,100	100	2,100	0	2,100	0	105	0	105	0	6,510	100
	Administration		0	0	0	0	0	0	0	0	0	0	0	0
	Other Administration Exp		0	0	0	0	0	0	0	0	0	0	0	0
6	Development of fisheries in brackish water (FSH-5) Normal													
	Master mapping	Hectare	875	587	875	0	875	0	875	0	0	0	3,500	587

Sl. No.	Name of Scheme	Unit	2012-13		2013-14		2014-15		2015-16		2016-17		Total	
			Target	Achieve ment	Target	Achieve ment	Target	Achieve ment	Target	Achieve ment	Target	Achieve ment	Target	Achieve ment
	Training	Trainees	500	633	500	507	500	600	500	611	800	670	2,800	3,021
	Shrimp farming-construction	Hectare	25	0	25	0	32	3	58	0	45	3	185	6
	Infra development-Road	Km	20	13	25	12	30	22	30	21	27	14	132	82
	Development of fishing in Alia Bet in Bharuch	Company	1	0	1	0	1	0	0	0	0	0	3	0
	Aerator assistance	No.	25	64	25	60	50	67	100	81	100	45	300	317
	Shrimp farming renovation	Hectare	75	87	75	80	100	124.32	175	151.35	155	37	580	479.67
	Sea weed culture-Assistance	No.	250	55	1,000	1,000	1,000	0	0	0	1,000	0	3,250	1055
	Polythene liner, bird/dog fencing	Hectare	0	0	100	0	100	22	200	93.68	100	67	500	182.68

*Targets were not fixed for 3 Sub Schemes under FSH -2 (Normal), 3 Sub Schemes under FSH-2 (TASP) & 2 Sub Schemes under FSH-4.

APPENDIX IV

(Reference: Paragraph No. 2.15 and 2.15.2)

Details of Physical Target and Achievement in Marine Fisheries Schemes

Sl. No.	Name of Scheme	Unit	2012-13		2013-14		2014-15		2015-16		2016-17		Total	
			Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
1	Development of fisheries ports (FSH-6) MH 5051 Normal													
	Berthing and landing facility	Port	4	0	2	0	2	0	1	0	8	0	17	0
	Maintenance and renovation of fishing ports	Port	0	0	0	0	0	0	0	0	0	0	0	0
	New development works of fishing ports and prefabricated cabins	Ports/cabin	0	0	0	0	0	0	0	0	0	0	0	0
	Dredging at fishing ports	Ports	0	0	6	0	4	0	0	0	2	0	12	0
	Setting up of technical cell	Cell	0	0	0	0	0	0	0	0	0	0	0	0
2	Development of fisheries ports (FSH-19) MH 5050 Normal													
	Fishing ports maintenance * (2016-17)		0	0	0	0	0	0	0	0	0	0	0	0
	Fishing ports-Maintenance and upgradation	Ports	6	7	7	5	7	1	24	19	67	6	111	38
	Setting up of technical cell	Cell	1	3	0	0	0	0	0	0	1	0	2	3
	RIDF – development of Jakhau and other ports		10	10	0	0	0	0	0	0	0	0	10	10
	ASIDE project		2	1	0	0	0	0	0	0	0	0	2	1
	Water supply, electricity and high mast tower	Port	0	0	0	0	0	0	0	0	0	0	0	0
	Prefabricated cabin	Cabin	0	0	0	0	102	0	102	1	78	27	282	28
	Wapcos consultancy		0	0	5	0	5	0	3	3	1	0	14	3
	Water supply - RIDF		0	0	3	0	19	0	8	8	0	0	30	8
	Development of Jafrabad port – ASIDE		0	0	1	0	1	0	0	0	2	0	4	0
	Water supply- Jafrabad		0	0	0	0	1	0	0	0	2	0	3	0
	Electricity facility at fish landing center		0	0	0	0	0	0	0	0	36	27	36	27
	Floating jetty		0	0	0	0	0	0	0	0	1	0	1	0
	R O Plant* (2016-17)		0	0	0	0	0	0	0	0	4	0	4	0
	Drazing work* (2016-17)		0	0	0	0	0	0	0	0	2	0	2	0

Sl. No.	Name of Scheme	Unit	2012-13		2013-14		2014-15		2015-16		2016-17		Total	
			Target	Achieve ment	Target	Achieve ment	Target	Achieve ment	Target	Achieve ment	Target	Achieve ment	Target	Achieve ment
3	Providing pre-requisite facilities at various fishing centres (FSH-7) Normal													
	Life saving equipments	No.	500	2,240	1,060	5,202	2,250	4,758	2,250	2,557	2,205	3,837	8,265	18,594
	LPG gas kit	No.	0	0	0	0	0	0	0	0	0	0	0	0
	Dress code	No.												
	Assistant Fisheries officer/ Assistant Statistician		49	18	49	0	49	0	49	0	0	0	196	18
	Foot fishermen assistance	Assistant	38	9	38	0	38	0	38	0	0	0	152	9
	Pakistan custody fishermen assistance	No.	694	1,392	1,138	1,241	2,083	1,292	2,083	1,956	2,080	1,608	8,078	7,489
	Electrical appliances	No.	300	422	300	327	462	305	462	523	462	462	1,986	2,039
	Movement of boats of fishermen	No.	1,366	1,472	1,723	552	1,621	985	1,621	1,420	905	2,778	7,236	7,207
	4 inch Grill net assistance	Security Guard	257	227	0	0	0	0	0	0	0	0	257	227
	Toilets in boats	No.	160	59	160	131	400	185	400	517	400	1,026	1,520	1,918
	Assistance to Women Self Help Group	No.	200	0	200	543	500	1,168	500	606	580	1,950	1,980	4,267
	Mechanised lorry to women self help group	Sales centre	20	3	0	0	0	0	270	60	0	0	290	63
	Fisheries guard	No.	0	0	257	226	257	212	257	224	257	265	1,028	927
	Women self help group	Consultancy fee	0	0	0	0	26	0	0	0	0	0	26	0
	Solar light	No.	0	0	500	348	500	3,079	500	4,186	500	697	2,000	8,310
	Insulated box	No.	0	0	0	0	1,000	752	1,000	1,016	2,330	4,293	4,330	6,061
	Flex/Slurry Ice	Boat	0	0	0	0	10	0	10	0	43	0	63	0
	Generator set, Flash light	No.	0	0	0	0	290	37	290	637	300	1,077	880	1,751
	GPS	Boat	0	0	0	0	0	0	2,000	508	2,000	1,685	4,000	2,193
	Insulated box to boat owners	FRP (No.)	0	0	0	0	0	0	2,000	971	2,025	5,648	4,025	6,619
	Computerisation		0	0	0	0	0	0	5	0	0	0	5	0
	Sea cage culture* (2016-17)		0	0	0	0	0	0	0	0	178	89	178	89
4	Mechanisation of fishing boats (FSH-8) Normal CSS													
	Machines - two stroke	No.	418	418	100	0	400	400	278	400	400	27	1,718	1,123
	Machines - four stroke	No.	141	0	333	21	333	55	66	333	333	90	1,473	232
5	Development rebate on High Speed Diesel (FSH 103(12)) Normal CSS													
			0	0	0	0	0	0	0	0	0	0	0	0

Sl. No.	Name of Scheme	Unit	2012-13		2013-14		2014-15		2015-16		2016-17		Total	
			Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
6	Central assistance for National Security (FSH 103(13)) Normal CSS		0	0	0	0	0	0	0	0	0	0	0	0
7	Assistance for Distress Alert Transmitter (FSH-20) Normal CSS													
	Trawling boat	No.	1,000	500	1,000	0	1,000	0	1,619	0	3,000	0	7,619	500
8	Purchase sales Assistance scheme (FSH-9) Normal													
	Processing plant, cold storage, ice plant, value added machine	No.	32	8	42	2	34	0	6	3	3	2	117	15
	Solar Dryer 10 Kilo capacity	No.	0	0	0	0	13	0	13	0	31	0	57	0
	Establishment of processing Plant* (2016-17)										1	0	1	0
	Solar Dryer 250 Kilo capacity	No.	0	0	0	0	2	0	2	0	3	0	7	0

* Targets were not fixed for 3 subschemes under FSH -6, 2 subschemes under FSH-19, 2 subschemes under FSH-7 and for 2 schemes FSH 103 (12) & FSH 103 (13).

APPENDIX V

(Reference: Paragraph No. 3.1.2)

Details of Wildlife (WL) Sanctuaries and National Parks in Gujarat

Sl. No.	Sanctuary/ National Park	Year of Notification	Area (Sq Km)	Controlling Division office
1	Gir National Park	1975	258.71	DCF, WL Division, Sasan Gir and DCF, (Gir) West Division, Junagadh
2	Gir WL Sanctuary	1965	1,153.42	
3	Paniya WL Sanctuary	1989	39.64	DCF, Gir (East), Division, Dhari
4	Mitiyala WL Sanctuary	2004	18.22	
5	Barda WL Sanctuary	1979	192.31	DCF, Porbandar Division, Porbandar
6	Porbandar Bird Sanctuary	1988	0.09	
7	Velavadar Black Buck National Park	1976	34.53	ACF, BBNP, Bhavnagar
8	Girnar WL Sanctuary	2008	178.87	DCF, Junagadh Division, Junagadh
9	Rampara WL Sanctuary	1988	15.01	DCF, Rajkot Division, Rajkot
10	Kachchh Desert Sanctuary	1986	7506.22	DCF, Kachchh (East) Division, Bhuj
11	Kachchh Bustard Sanctuary	1992	2.03	DCF, Kachchh (West) Division, Bhuj
12	Narayan Sarovar Sanctuary	1995	444.23	
13	Wild Ass Sanctuary	1973	4,953.70	DCF, WAS, Dhrangadhra
14	Thol WL Sanctuary	1988	6.99	DCF, Nalsarovar Bird Sanctuary, Sanand
15	Nalsarovar Bird Sanctuary	1969	120.82	
16	Jessore Sloth Bear Sanctuary	1978	180.66	DCF, Banaskantha Division, Palanpur
17	Balaram Ambaji WL Sanctuary	1989	542.08	
18	Shoolpaneshwar WL Sanctuary	1982	607.70	DCF, Narmada Division, Rajpipala
19	Ratanmahal WL Sanctuary	1982	55.65	DCF, WL Division, Vadodara
20	Jambughoda WL Sanctuary	1990	130.38	
21	Purna WL Sanctuary	1990	160.84	DCF, Dangs (South), Ahwa
22	Vansda National Park	1979	23.99	DCF, Dangs (North), Ahwa
23	Marine National Park	1982	162.89	DCF, MNP Jamnagar
24	Khijadiya WL Sanctuary	1981	6.05	
25	Gaga WL Sanctuary	1988	3.33	
26	Marine Sactuary	1980	295.03	
27	Hingolghadh Nature Education Sanctuary	1980	6.54	Director, GEER Foundation, Gandhinagar
28	Chhari Dhandh Conservation Reserve	2008	227.00	DCF, Kachchh (West) Division, Bhuj

APPENDIX VI

(Reference: Paragraph No. 3.1.6)

Details of Status of Eco-Sensitive Zone notification as on 31 July 2017

Sl. No.	Name of Sanctuaries and National Parks	Area (Sq Km)	ESZ Notification status
1	Kachchh Desert Sanctuary	7,506.22	Proposal pending.
2	Wild Ass Sanctuary	4,953.70	Proposal pending.
3	Gir WL Sanctuary	1,153.42	Draft notification issued on 25.10.2016
4	Shoolpaneshwar WL Sanctuary	607.70	Final Notification issued on 05.05.2016
5	Balaram Ambaji WL Sanctuary	542.08	Proposal pending.
6	Narayan Sarovar Sanctuary	444.23	Final Notification issued on 31.05.2012
7	Marine Sanctuary	295.03	Final Notification issued on 22.08.2013
8	Gir National Park	258.71	Draft notification issued on 25.10.2016
9	Barda WL Sanctuary	192.31	Final Notification issued on 28.04.2017
10	Jessore Sloth Bear Sanctuary	180.66	Draft notification issued on 06.02.2017
11	Girnar WL Sanctuary	178.87	Final Notification issued on 31.05.2012
12	Marine National Park	162.89	Final Notification issued on 22.08.2013
13	Purna WL Sanctuary	160.84	Final Notification issued on 31.05.2012
14	Jambughoda WL Sanctuary	130.38	Proposal pending.
15	Nalsarovar Bird Sanctuary	120.82	Final Notification issued on 07.06.2017
16	Ratanmahal WL Sanctuary	55.65	Proposal pending.
17	Paniya WL Sanctuary	39.64	Draft notification issued on 25.10.2016
18	Velavadar Black Buck National Park	34.53	Final Notification issued on 06.07.2017
19	Vansda National Park	23.99	Final Notification issued on 31.05.2012
20	Mitiyala WL Sanctuary	18.22	Draft notification issued on 25.10.2016
21	Rampara WL Sanctuary	15.01	Draft notification issued on 10.01.2017
22	Thol WL Sanctuary	6.99	Final Notification issued on 09.02.2015
23	Hingolagadh Nature Education Sanctuary	6.54	Final notification issued on 20.06.2017
24	Khijadiya WL Sanctuary	6.05	Draft notification issued on 27.11.2015
25	Gaga WL Sanctuary	3.33	Final notification issued on 07.06.2017
26	Kachchh Bustard Sanctuary	2.03	Proposal pending.
27	Porbandar Bird Sanctuary	0.09	Draft notification issued on 20.11.2015
Total		17,099.90	

Appendix VII

(Reference: Paragraph No. 3.1.9.3)

Details showing non-recovery of Net Present Value and five *per cent* of the project cost as on July 2017

Sl. No.	User Agency	NPV recoverable (₹ in lakh)	Project cost recoverable (₹ in lakh)	Description
1	Gujarat Energy Transmission Company Limited	51.45	Recovered	NPV in respect of 11.747 ha non-forest land diverted remained to be recovered as the demand notice was not issued.
2	ONGC Ltd	664.27	Recovered	Demand notice was issued but the user agency protested recovery on the plea that the SCI did not direct to pay NPV.
3	Dedicated Freight Rail Corporation of India, Ajmer	Recovered	60.00	Sanction order did not include condition for recovery of five <i>per cent</i> of the project cost but included a special condition of recovery of ₹ five lakh <i>per annum</i> ; however its recovery was outstanding for three years (2014-17).
			15.00	
4	Rail Development Corporation India Limited	Recovered	26.45	Sanction order did not include condition for recovery of five <i>per cent</i> of the project cost.
5	Power Grid Corporation India Limited	1,534.51	268.00	Sanction order did not include condition for recovery of NPV and five <i>per cent</i> of the project cost but included a specific condition under which user agency has to incur five percent of the project cost/ placing the fund at the disposal of the F&ED on habitat improvement and wildlife conservation in the Sanctuary area.
6	Sardar Sarovar Narmada Nigam Limited (SSNNL)	1,007.03	Could not be worked out as total project cost was not available in the proposal submitted to NBWL.	Sanction order did not include condition for recovery of NPV and five <i>per cent</i> of the project cost.
7	Vodafone Essar	22.57		Sanction order did not include condition for recovery of NPV and five <i>per cent</i> of the project cost.
8	Gujarat Energy Transmission Corporation Limited (diversion approved in 2016)	212.29		Sanction order did not include condition for recovery of NPV and five <i>per cent</i> of the project cost.
9	Vestas Wind Technology India Private Limited	81.47		The sanction order did not contain conditions for recovery of NPV, five per cent of project cost and lease rent of ₹ 30,000 <i>per MW</i> for the period of lease ¹ . (Refer to Para 3.1.9.1)
10	Adani Power Limited (APL)	324.90	Recovered	The DFO did not issue demand notice for recovery of NPV for diversion of 40.768 ha non-forest land of the sanctuary. It was also noticed that for remaining 18.20 ha land, NPV was demanded at the rate of ₹ seven lakh <i>per ha</i> which was less than the approved rates of ₹ 7.30 lakh <i>per ha</i> . The short recovery of NPV on diversion of forest land and non-recovery of NPV for diversion of non-forests land led to total non-recovery of NPV of ₹ 3.24 crore ² from APL. (Refer to Para 3.1.9.2)

(Source: - Information compiled from records of the Department)

¹ In case of windmills, it is an additional recovery as per MoEF&CC guidelines of May 2004.² (18.2 ha X 5 X ₹ 30,000 plus 40.768 ha x ₹ 7.30 lakh).

Appendix VIII

(Reference: Paragraph No. 3.2.5.1)

Status of measures recommended and completed as on March 2017

(in numbers unless otherwise mentioned)

Structures	HLC-I		HLC-II				Total no. of structure recommended by HLCs	Total no. of structures completed	per cent of completion		
	Madhavpur		Maliya		Lakhpat						
	Recomm ended	completed	Recomm ended	completed	Recomm ended	completed					
Tidal regulator and Bandhara (TR)	17	18	37	14	71	14	55	54	180	100	55.56
Cheek dams (CD)	75	181	300	214	460	279	740	684	1,575	1,358	86.22
Recharge Tanks (RT)	7	5	30	21	60	6	25	9	122	41	33.61
Recharge Wells (RW)	200	198	450	135	680	64	150	847	1,480	1,244	84.05
Recharge Reservoir (RR)	0	2	22	10	21	6	0	0	43	18	41.86
Gully/ Nalla Plugging	0	4,487	20,000	0	45,400	0	20,000	0	85,400	4,487	5.25
TCD Farms	3	0	6	0	0	0	70	0	79	0	0.00
Afforestation (Hectare)	50,000	5,867	15,750	0	25,000	0	14,000	0	1,04,750	5,867	5.60
Coastal Land Reclamation (Hectare)	0	0	13,000	0	16,500	0	10,000	0	39,500	0	0.00
Raising of shelter belt improvement and afforestation of mangrove forest	0	0	0	0	0	0	4,900	0	4,900	0	0.00
	0	0	0	0	0	0	1,050	0	1,050	0	0.00
Coastal Bund (Kms)	0	0	0	0	0	0	60	0	60	0	0.00
Spreading Channel and connecting Channel (Kms)	60	74.29	140	6.29	540	139.48	166	71	906	291	32.12

Appendix IX
(Reference: Paragraph No. 3.2.5.1)
Status of measures recommended and completed as on March 2017 in the priority areas

HLC-II

(in numbers)

Particulars	HLC-I		HLC-II												
	Una- Madhavpur		Madhavpur-Malia				Malia-Lakhpur				Kankavati river basin				
	recommen- ded	Comp- leted	Meghal River Basin	Maleshri River Basin	Kalipat River Basin	Ruparel River Basin	Machchhu River Basin	Bhukhi river basin	Kharod-Rajda river basin	recommen- ded	compl- eted	recommen- ded	compl- eted	recommen- ded	compl- eted
Tidal regulator / <i>Bandhara</i>	1	1		2	1	1	0	1	0	2	0	1	2	1	1
Check dams	14	37		14	2	3	4	7	4	4	4	0	0	3	14
Recharge Tanks	0	0		1	0	0	0	0	0	0	0	1	0	0	0
Recharge Wells	0	33		20	30	30	10	30	0	10	10	10	60	10	74
Recharge Reservoir	0	1		2	1	1	0	4	4	0	0	0	0	0	0

Appendix X

(Reference: Paragraph No. 3.2.6.5)

Details of Tidal Regulator/ *Bandharas* constructed away from the mouth of the rivers

Sl. No.	Name of the Tidal Regulator/ <i>Bandhara</i>	Name of River on which constructed	Year of Completion	Distance of TR/ <i>Bandhara</i> from mouth of the river (in km.)	Distance upto which the tides were running in to the river (in km.)	Distance prevented from sea water ingress (in km.)
1	Chhadwada Bandhara	Gupt	2010-11	2.50	2.00	0
2	Vira Bandhara (Under Const.)	Lehrakh	In progress	2.00	0.40	0
3	Gundala (Luni) Bandhara	Luni	2013-14	1.00	0.50	0
4	Layja-2 Bandhara	Kharod	2012-13	3.50	0.60	0
5	Kosa Vadsar T.R.	Mitti	2010-11	5.90	1.10	0
6	Suthari (Akri) Bandhara	Rakhadi	2014-15	1.30	1.00	0

Appendix XI

(Reference: Paragraph No. 3.2.7.2 (a))

Reach-wise number of wells in different salinity zones on the basis of
Total Dissolved Solids

Reaches		Fresh water zone TDS < 2000 ppm	Low salinity zone TDS 2000 to 4000 ppm	Medium salinity zone TDS 4000 to 6000 ppm	High salinity zone TDS > 6000 ppm	Total
Una- Madhavpur	May-2012	125	76	43	11	255
	May-2013	110	47	58	25	240
	May-2014	111	60	46	33	250
	May-2015	125	60	49	23	257
	May-2016	116	54	51	30	251
	October 2016	147	53	46	15	261
Bhavnagar Una	May-2012	98	52	12	16	178
	May-2013	70	53	18	21	162
	May-2014	58	39	13	14	124
	May-2015	71	30	15	12	128
	May-2016	54	40	12	16	122
Madhavpur Maliya	May-2012	271	98	36	15	420
	May-2013	152	171	72	54	449
	May-2014	135	142	60	49	386
	May-2015	195	135	55	27	412
	May-2016	144	139	65	42	390
Maliya- Lakhpat	May-2012	66	64	10	9	149
	May-2013	41	70	25	11	147
	May-2014	15	33	23	22	93
	May-2015	28	33	21	09	91
	May-2016	33	35	12	14	94
Total	May-2012	560	290	101	51	1,002
	May-2013	373	341	173	111	998
	May-2014	319	274	142	118	853
	May-2015	419	258	140	71	888
	May-2016	347	268	140	102	857

(Source: Information furnished by the Department)

APPENDIX XII

(Reference: Paragraph No. 3.8)

Statement showing the additional/ excess works awarded as excess/ extra items to the contractor leading to loss of testing charges

Sl. No.	Name of work		Estimated cost Tendered cost Work done (₹ in crore)	Cost of excess/ extra items (₹ in crore) & percentage	Estimated cost of excess and extra items (₹ in crore) & percentage	Scope of work Scope of excess/ extra items	Reasons for excess/ extra items stated in files/correspondence	Audit rebuttal to excess/ extra items proposal
	Date of work order	Stipulated date of completion Actual date of completion						
1		Strengthening of Dhandhuka-Dholera Road 0/0 to 27/0 km	9.35 7.58 10.01	1.86 0 (25)	2.37 (25)	Original estimate 75 mm Built Up Spray Grout (BUSG) in 10/0 to 22/0 km stretch and 37.50 mm Bituminous Macadam (BM) and 25 mm Semi Dense Bituminous Carpet (SDBC) in 0/0 to 27/0 km stretch. Excess items 75mm BUSG in 0/0 to 10 km and 22/0 to 27/0 km stretch not covered above.	The excess proposal submitted (December 2012) was sanctioned by the Department (December 2012) for ₹ 1.85 crore. Due to fund constraint, estimate for 0/0 to 10/0 km and 22/0 to 27/0 km (total 15 km) with BUSG was not included in the sanctioned estimate.	<ul style="list-style-type: none"> The reasons for excess is not justified as division knew that to maintain 137.50 mm crust thickness as provided in 10/0 to 22/0 km stretch (75 mm + 37.5 mm + 25 mm) it was almost necessary to provide 75 mm BUSG in the length of 0/0 to 10 km and 22/0 to 27/0 also. This was also required to avoid undulation in initial and end length of the road. Thus, division prepared faulty estimates due to not considering above requirements and final cost was more than estimated cost
		Strengthening of Sanand- Nalsarovar Road (1/200 to 32/800km), Mankol-Makhivav Road (3/0 to 6/30km) and Makhivav-Zolapur road(0/0 to 6/70km)	45.56 38.25 48.01	5.56 1.17 (18)	6.91 (15)	Original estimate 50 mm BM and 25 mm SDBC for widening portion Excess items 75 mm BM on widening portion and 25 mm SDBC on existing surface and Extra items	The excess/extra proposal was submitted (October 2012) and sanctioned by Department (October 2012) for ₹ 5.43 crore for excess items and ₹ 1.23 crore for extra items. The excess and extra items found necessary due to providing lesser thickness of 50 mm BM and 25	<ul style="list-style-type: none"> The reasons for excess and extra items are not justified as GERI suggestion based on CBR and BBD tests were not considered while preparing the estimates.

Sl. No.	Name of work		Estimated cost Tendered Work done (₹ in crore)	Cost of excess/ extra items (₹ in crore) & percentage	Estimated cost of excess and extra items (₹ in crore) & percentage	Scope of work Scope of excess/ extra items	Reasons for excess/ extra items stated in files/correspondence	Audit rebuttal to excess/ extra items proposal
	Date of work order	Stipulated date of completion						
3	19.06.2012	Improvement and Widening and Strengthening Bavla-Rupal-Begva Road Km 0/00 to 22/8 and Simej Koth Gangad Kalyangadh Lagdana Baldana Road 12/7 to 22/7 km and 22/7 to 29/2 km.	21.08 15.81 19.70	4.63 0 (29)	4.76 (23)	Asphalt painting	mm SDBC due to fund constraint as against the treatments of 40 mm BM and 120 mm Dense Bituminous Macadam (DBM) suggested by the Gujarat Engineering Research Institute (GERI) in widening based on CBR and BBD tests.	
	22.09.2012							
4	Widening and strengthening of Nal Sarovar Viramgam Road 26/200 to 52/750 km		23.72 18.33 20.82	2.98 0 (16)	3.23 (14)	Original estimate Water Bound Macadam (WBM), Water Mix macadam (WMM) and BM in widening portion of 5.50 m to 7 m and SDBC in entire 7 m width Excess items Wet mix, scarifying and prime coat and 75 mm BM in existing surface of Simaj-koth-Gangad-kalyangadh road and 50 mm BM in existing surface of 5.50 m in Bavla-Rupal-Begva Road	The excess items submitted (December 2012) was approved by Department December 2012 for ₹ 1.17 crore. During last monsoon, road surface were badly damaged and undulation was observed which required to be strengthened/improved in existing 5.50 m width in both the roads.	The damage due to monsoon in existing road being stated as a reason for excess items was known to the Division at the time of preparation of the estimate because the work was awarded in September 2012 by which time the monsoon was over. However, treatment of BM was not provided in the estimate Further, as the resurfacing work in 5/0 to 22/7 Bavla-Rupal-Begva road was completed departmentally before one year in 2010-11 the excess works at least on that road should not have been necessitated.
						Original estimate 150 mm sand layer, 250 mm metalling layer, 50 mm BM and 25 mm SDBC in the widened 7 m width.	The proposal for excess items submitted (May 2012) was approved by department (March 2013) for ₹ 2.98 crore. Road was damaged during	The original estimate was prepared in December 2011 i.e., after monsoon period and as such damaged road should have been considered at the time of preparation of the estimates by

Sl. No.	Name of work		Estimated cost Tendered cost Work done (₹ in crore)	Cost of excess/ extra items (₹ in crore) & percentage	Estimated cost of excess and extra items (₹ in crore) & percentage	Scope of work Scope of excess/ extra items	Reasons for excess/ extra items stated in files/correspondence	Audit rebuttal to excess/ extra items proposal
	Date of work order	Stipulated date of completion						
		09.04.2012 08.10.2013 19.09.2013				<p>Excess items 50 mm BM on existing 3.66 m width and widening of additional 500 m road length</p>	<p>monsoon; and To have continuous widening of road, additional 500 m (from 52/020 to 52/520 km) was proposed as this was not included in the estimate due to fund constraint.</p>	<p>the EE and The division proposed the entire length of 26.520 km in the estimate but subsequently road length of 500 m was omitted from the estimate necessitating the second portion of the excess item..</p>
5	Widening and strengthening of Bagodara Nalsarovar Road 0/0 to 26/2 km	20.09.2012 19.03.2014 18.03.2014	31.00 24.02 31.74	6.60 0 (27)	8.07 (26)	<p>Original estimate 150 mm sand layer, 225 mm WBM, 225 mm WMM, 75 mm BUSG, 50 mm BM and 25 mm SDBC in widening portion from .3.66 m to 7 m. on 0 to 14 km Strengthening of 7 m width by BUSG, BM and SDBC in 14/0 to 26/200</p> <p>Excess Items 50 mm BM and 25 mm SDBC in 3.66 m central existing road width and 75 mm BUSG in widening portion in 0/0 to 14/0 km. 225 mm thick WBM in 7300 m in 14/0 to 26/2 km and improvement of junction up to 500 m by four-laning the road.</p>	<p>The EE submitted excess items proposal (December 2012) to the Department and approved (December 2012) proposal by the Department. The reasons for excess items were: Due to funds constraint, crust thickness was provided less than suggested by GERI. Consultant suggested additional thickness on existing central portion. Due to lesser crust thickness damage occurred, and WBM had to be provided in 7,300 m length.</p>	<p>EE did not adopt suggestion of GERI to provide crust thickness of 190 mm of asphaltic treatment resulting in the excess item. The EE knew that portion of the road was passing from black cotton soil and this disturbed the road and made road surface uneven causing difficulties to the traffic. However instead of providing WBM for 12,200 m length only 4,900 m length was considered while preparing the estimate leaving 7300 metres to be covered as an excess item.</p>

Sl. No.	Name of work		Estimated cost Tendered Work done (₹ in crore)	Cost of excess/ extra items (₹ in crore) & percentage	Estimated cost of excess and extra items (₹ in crore) & percentage	Scope of work Scope of excess/ extra items	Reasons for excess/ extra items stated in files/correspondence	Audit rebuttal to excess/ extra items proposal	
	Date of work order	Stipulated date of completion							
6		Widening and strengthening of Virangam Bechraji Road 1/80 to 43/60 km (7 m to 10 m)	22.52 16.66 17.97	3.18 0.14 (20)	3.60 (16)	<p>Original estimate WBM, WMM, 50 mm BM and 25 mm SDBC in the 3 meter widening portion in 4/900 to 28/500 km stretch and 50 mm BM and 25 mm SDBC in 10 m (including 3 m widening) in 1/800 to 4/900 km stretch.</p> <p>Excess items 25 mm SDBC in entire 10 m width of the road in 1/8 to 28/500 stretch.</p>	<ul style="list-style-type: none"> The EE submitted (January 2013) excess item proposal which was approved by the Department in January 2013. The excess item of 25 mm SDBC was necessitated to fill joints between existing road surface and widened surface, to avoid seepage of water in sub base. 	<ul style="list-style-type: none"> The fact that the joints between existing road surface and widened road surface needs to be filled up to avoid seepage of water is not something that would not have been known at the time of estimate. 	
		28.05.2012 27.11.2013 03.06.2013							
7		Widening up to 10 m road for Bagodara-Dhandhuka - Barvala Road 61/4 to 131/5 km (working length 61/4 to 105/0 km) under District to District Scheme	71.93 45.11 96.38	81.55 0.10 (181)	118.28 (164)	<p>Original estimate Widening from 7 m to 10 m work in 61/4 to 105/0 km stretch (four lane in 104/30 to 105/0 km).</p> <p>Excess items Additional work of widening of 10 m road from 105/0 to 131/5 stretch and four lane of Bagodara to Fedra Road km 61/4 to 82/3 km</p>	<ul style="list-style-type: none"> The Department accorded in-principle approval (January 2015) to execute additional works within cost of AA. The proposal for additional work as an excess item (₹ 73.79 crore) and extra items (₹ 1.54 crore) and revised AA was submitted by the EE (December 2015) to the Department. The Department accorded (February 2016 and October 2016) approval to proposal and also instructed to award work to same contractor at his quoted tendered rates. 	<ul style="list-style-type: none"> The widening of 10 m work in 105/0 to 131/5 km and four laning work in 61/4 to 82/3 of Bagodara- Fedra Road were not part of approved AA and was not supported with survey and investigation report. Further, the additional works were not kept within the approved cost of AA as required in the in-principle approval and required a fresh AA. Therefore, the division, considering the excess works proposed, should have invited tenders separately for these additional lengths so as to get more competitive rates as the excess items 	
		17.06.2014 31.03.2016 In progress							

Sl. No.	Name of work		Estimated cost Tendered cost Work done (₹ in crore)	Cost of excess/ extra items (₹ in crore) & percentage	Estimated cost of excess and extra items (₹ in crore) & percentage	Scope of work Scope of excess/ extra items	Reasons for excess/ extra items stated in files/correspondence	Audit rebuttal to excess/ extra items proposal
	Date of work order	Stipulated date of completion						
8	Widening and strengthening of Virangam Bechraji Road km 28/500 to 43/600 km	03.04.2013 02.07.2014 15.05.2014	16.32 11.87 15.31	3.23 0.08 (28)	3.85 (24)	<p>Original estimate Widening from 7 m to 10 m in 28/5 to 40/60 km stretch and strengthening of surface in 7 m from 40/6 to 43/6 km stretch with 50 mm BM, 25 mm SDBC and asphalt painting.</p> <p>Excess item Providing SDBC in 10 m width of entire road length and widening of cross drainage.</p> <p>Extra item Providing asphalt tack coat</p>	<p>The EE submitted (June 2013) excess and extra items proposal for SDBC and asphalt painting over 10 m road width. The Government approved (June 2013) the excess items.</p> <p>The excess and extra items were provided to prevent settlement of sub base from seepage of water between existing surface and widening road surface.</p>	<p>were 181 per cent of the tendered cost.</p> <p>The division should have factored in the problem regarding seepage of water between the existing surface and widened surface at the time of original estimate as this is a known fact in road construction.</p>
	Total		<u>241.48</u> <u>177.63</u> <u>259.94</u>	<u>109.59</u> <u>1.49</u>	151.07			

Note: (i) In column No. 4 percentage worked out with reference to total excess as per tendered rate and with the tendered cost of the work.

(ii) In column No. 5 percentage worked out with reference to total estimated cost of the excess and extra items and with estimated cost of the work.

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