states like Manipur, Meghalaya, Mizoram, Sikkim etc. having only one, but significant, PA having a very high biodiversity value within their boundaries.

Two consolidated lists (Table 1 and Table 2) with Very High Value and High Value PAs respectively, are being given below. The PAs in these lists have been further classified according to whether they are high or low pressure PAs, and subclassified according to whether they have a low or high legal and management status. Both the lists are sorted within each category as per the biogeographic province. Each PA has been given a unique code. This code provides information about the state in which it is located, and whether it is a national park or a sanctuary. It has three parts. The first part of the code tells us about the state in which it is located. For example, the first name in the list, Karakoram Sanctuary, is located in the state of Jammu and Kashmir. Therefore, the state code ie: J&K appears first. The next part of the code tells us whether it is a sanctuary or a national park. In case a PA is a national park, then the alphabet "N" appears next. Else, the alphabet "S" is used to show that the PA is a sanctuary. The last part of the code contains the first three letters of the name of the PA. Therefore, the code of Karakoram Sanctuary is J&K/S/KAR, while the code of Hemis National Park is J&K/N/HEM. In case the first three letters of a PA name are the same as another PA in the same state, then the first four alphabets are used in the code. For example, in Himachal Pradesh, the code of the Shimla Water Catchment Sanctuary is HP/S/SHIM, while the code of the Shilli Sanctuary is HP/S/SHIL.

Limitations of the data and this report: Information for many of the valuation parameters identified in the valuation framework is not yet available. However, the process of updating existing, as well as gathering new, information has already been initiated. As already mentioned above, a questionnaire has been developed and sent to all the state governments. As and when addition information comes in, the prioritisation matrix will get updated further.

As already mentioned above, this report has evaluated only 254 PAs located in the Indian mainland. Therefore, many national parks as well as

sanctuaries do not figure in the matrices which have been compiled. Further, the evaluation has been done according to information available in a database that is now over a decade old. Therefore, the values being ascribed to same of the PAs may not reflect reality on the ground. This may have, for example, led to a PA having a very high value being shown as one having only a high value.

Similarly many of the tiger reserves which have been formed by combining two or more PAs are still shown separately (e.g. Tadoba, Bandhavgarh etc.). Also, many sanctuaries which were upgraded to national parks (e.g. Palamau, Valmiki, Manas etc.) are still shown as sanctuaries. Further, some national parks and sanctuaries have been expanded or contracted to include new, or exclude parts of the old, areas of the PAs. These problems will be looked into and sorted out when the existing database is updated.

TABLE - 1

PRIORITY LISTING OF THE VERY HIGH VALUE PAs

CATEGORY OF THE PA	Sno.	BIOGEOGRAPHIC PROVINCE	CODE	NAME
High pressure+Low management and legal status	1	2A	HP/S/MAN	MANALI SANCTUARY
	2	2A	HP/S/GAM	GAMGUL SIAHBEHI SANCTUARY
	3	2A	HP/S/NAR	NARGU SANCTUARY
	4	2A	HP/S/KUG	KUGTI SANCTUARY
	5	2B	HP/S/LIP	LIPPA ASRANG SANCTUARY
	6	2B	HP/S/DAR	DARANGHATI SANCTUARY
	7	4B	RAJ/S/NAT	NATIONAL CHAMBAL SANCTUARY
	8	4B	RAJ/S/KAI	KAILA DEVI SANCTUARY
	9	4B	RAJ/S/RAM	RAMGARH SANCTUARY
	10	5B	TN/S/ANA	ANAMALAI SANCTUARY
	11	6B	AP/S/KOL	KOLLERU SANCTUARY
	12	6C	AP/S/PAP	PAPIKONDA SANCTUARY
	13	6E	MP/N/SAT	SATPURA NATIONAL PARK
	14	6E	MP/N/PAN	PANNA NATIONAL PARK
	15	7A	UP/N/RAJ	RAJAJI NATIONAL PARK (Data aggregated for Chilla, Motichur and Rajaji Sanctuaries)
	16	7A	UP/S/KIS	KISHANPUR SANCTUARY
Subtotal = 17	17	10B	ORI/S/BHI	BHITARKANIKA SANCTUARY
High pressure+High management and legal status	18	2A	HP/S/KAN	KANAWAR SANCTUARY
	19	2A	HP/S/SHIK	SHIKARI DEVI SANCTUARY
	20	2A	HP/S/PON	PONG LAKE SANCTUARY
	21	2A	HP/S/SEC	SECHU TWAN NALAH SANCTUARY
	22	2B	UP/S/KED	KEDARNATH SANCTUARY
	23	2B	UP/S/GOV	GOVIND PASHUVIHAR SANCTUARY
	24	2D	ARU/S/PAK	PAKHUI SANCTUARY
	25	3A	GUJ/S/DHR	DHRANGADHRA WILD ASS SANCTUARY
	26	3A	GUJ/S/NAR	NARAYAN SAROVAR SANCTUARY
	27	3B	RAJ/S/TAL	TAL CHHAPER SANCTUARY
	28	4B	GUJ/N/GIR	GIR NATIONAL PARK
	29	4B	UP/S/NAT	NATIONAL CHAMBAL SANCTUARY
	30	4B	RAJ/N/SAR	SARISKA NATIONAL PARK (Including Sariska Sanctuary)
	31	4B	MP/S/GHA	GHATIGAON GREAT INDIAN BUSTARD SANCTUARY
	32	4B	RAJ/S/MOU	MOUNT ABU SANCTUARY
	33	4B	GUJ/S/RAT	RATANMAHAL SANCTUARY
	34	4B	RAJ/S/KUM	KUMBALGARH SANCTUARY
	35	4B	MP/S/GAN	GANDHISAGAR SANCTUARY
	36	4B	RAJ/S/JAI	JAISAMAND SANCTUARY
	37	4B	MP/S/KAR	KARERA GREAT INDIAN BUSTARD SANCTUARY
	38	4B	RAJ/S/TOD	TODGARH-RAOLI SANCTUARY
	39	4B	GUJ/S/JES	JESSORE SANCTUARY
	40	4B	RAJ/S/SIT	SITAMATA SANCTUARY
	41	4B	GUJ/N/VEL	VELAVADAR NATIONAL PARK
	42	5A	KAR/S/MOO	MOOKAMBIKA SANCTUARY
	43	5B	TN/S/MUD	MUDUMALAI SANCTUARY

TABLE - 1

PRIORITY LISTING OF THE VERY HIGH VALUE PAs

CATEGORY OF THE PA	Sno.	BIOGEOGRAPHIC PROVINCE	CODE	NAME
	44	5B	KER/S/PAR	PARAMBIKULAM SANCTUARY
	45	5B	TN/S/KAL	KALAKAD-MUNDANTHURAI (Data combined for Kalakad and Mundanthurai Sanctuaries which are managed as a single tiger reserve)
	46	5B	KER/N/PER	PERIYAR NATIONAL PARK (Including Periyar Sanctuary)
	47	5B	KER/S/WYN	WYNAD SANCTUARY
	48	5B	KER/S/NEY	NEYYAR SANCTUARY
	49	5B	KAR/S/SHA	SHARAVATHI VALLEY SANCTUARY
	50	5B	KAR/S/SOM	SOMESHWARA SANCTUARY
	51	5B	KAR/S/SHE	SHETTIHALLY SANCTUARY
	52	6A	AP/S/NAG	NAGARJUNASAGAR-SRISAILAM (Data combined for Nagarjunasagar and Srisailam Sanctuaries which are managed as a single tiger reserve)
	53	6B	AP/S/PAK	PAKHAL SANCTUARY
	54	6B	AP/S/ETU	ETURNAGARAM SANCTUARY
	55	6B	AP/S/KAW	KAWAL SANCTUARY
	56	6B	AP/S/PRA	PRANHITA SANCTUARY
	57	6B	MAH/S/GRE	GREAT INDIAN BUSTARD SANCTUARY
	58	6C	ORI/S/SAT	SATKOSIA GORGE SANCTUARY
	59	6C	MP/S/SIT	SITANADI SANCTUARY
	60	6D	ORI/N/SIM	SIMLIPAL NATIONAL PARK (Including Similipal Sanctuary)
	61	6D	BIH/S/PAL	PALAMAU SANCTUARY
	62	6D	BIH/S/HAZ	HAZARIBAGH SANCTUARY
	63	6D	BIH/S/DAL	DALMA SANCTUARY
	64	6E	MP/S/BOR	BORI SANCTUARY
	65	6E	MP/S/PAC	PACHMARHI SANCTUARY
	66	6E	UP/S/RAN	RANIPUR SANCTUARY
	67	6E	MAH/S/MEL	MELGHAT SANCTUARY
	68	6E	MAH/N/PEN	PENCH NATIONAL PARK
	69	7A	UP/N/COR	CORBETT NATIONAL PARK
	70	7B	BIH/S/VAL	VALMIKI SANCTUARY
Subtotal = 54	71	8A	ASS/S/MAN	MANAS
Low pressure+low management and legal status	72	1A	J&K/S/KAR	KARAKORAM SANCTUARY
	73	1A	HP/N/PIN	PIN VALLEY NATIONAL PARK
	74	1A	J&K/S/CHA	CHANGTHANG SANCTUARY
	75	2B	HP/S/RUP	RUPI BHABA SANCTUARY
	76	2B	HP/S/RAK	RAKCHHAM CHHITKUL SANCTUARY
	77	2C	WB/S/SEN	SENCHAL SANCTUARY
	78	4A	PUN/S/ABO	ABOHAR
	79	4A	PUN/S/HAR	HARIKE LAKE
	80	4B	GUJ/S/HIN	HINGOLGARH SANCTUARY
	81	5B	KER/N/SIL	SILENT VALLEY NATIONAL PARK
	82	5B	KER/S/CHIM	CHIMONY SANCTUARY
	83	5B	TN/S/NIL	NILGIRI TAHR (Mukurthy) SANCTUARY
	84	5B	KAR/S/BRA	BRAHMAGIRI SANCTUARY
	85	6A	KAR/S/BIL	BILIGIRI RANGASWAMY TEMPLE SANCTUARY

TABLE - 1

PRIORITY LISTING OF THE VERY HIGH VALUE PAs

CATEGORY OF THE PA	Sno.	BIOGEOGRAPHIC PROVINCE	CODE	NAME
	86	6B	MAH/N/TAD	TADOBA NATIONAL PARK
	87	6E	MP/N/SAN	SANJAY NATIONAL PARK
	88	8A	ASS/S/BAR	BARNADI SANCTUARY
	89	8B	MIZ/S/DAM	DAMPA SANCTUARY
Subtotal = 19	90	10B	TN/S/PUL	PULICAT SANCTUARY
Low pressure+High management and legal status	91	1A	J&K/N/HEM	HEMIS HIGH ALTITUDE NATIONAL PARK
	92	2A	HP/N/GRE	GREAT HIMALAYAN NATIONAL PARK
	93	2A	J&K/N/KIS	KISHTWAR NATIONAL PARK
	94	2A	J&K/N/DAC	DACHIGAM NATIONAL PARK
	95	2A	HP/S/TIR	TIRTHAN SANCTUARY
	96	2B	UP/N/VAL	VALLEY OF FLOWERS NATIONAL PARK
	97	2B	UP/N/NAN	NANDA DEVI NATIONAL PARK
	98	2C	SIK/N/KHA	KHANGCHENDZONGA NATIONAL PARK
	99	2D	ARU/N/NAM	NAMDAPHA NATIONAL PARK
	100	2D	ARU/S/MEH	MEHAO SANCTUARY
	101	2D	ARU/S/ITA	ITANAGAR SANCTUARY
	102	2D	ARU/S/LAL	LALI SANCTUARY
	103	3B	RAJ/N/DES	DESERT NATIONAL PARK
	104	4A	RAJ/N/KEO	KEOLADEO GHANA NATIONAL PARK
	105	4A	HAR/S/BHI	BHINDAWAS SANCTUARY
	106	4A	HAR/N/SUL	SULTANPUR NATIONAL PARK
	107	4B	RAJ/N/RAN	RANTHAMBHORE NATIONAL PARK
	108	4B	MP/S/NAT	NATIONAL CHAMBAL SANCTUARY
	109	4B	MP/N/MAD	MADHAV NATIONAL PARK
	110	4B	GUJ/S/NAL	NAL SAROVAR SANCTUARY
	111	5A	MAH/N/SAN	SANJAY GANDHI NATIONAL PARK
	112	5B	KAR/N/NAG	NAGARAHOLE NATIONAL PARK
	113	5B	KAR/N/BAN	BANDIPUR NATIONAL PARK
	114	5B	KAR/S/BHA	BHADRA SANCTUARY
	115	5B	GOA/N/BHA	BHAGWAN MAHAVIR NATIONAL PARK (Including Bhagwan mahavir Sanctuary)
	116	5B	KER/N/ERA	ERAVIKULAM NATIONAL PARK
	117	5B	MAH/S/RAD	RADHANAGARI BISON SANCTUARY
	118	5B	KER/S/SHE	SHENDURUNY SANCTUARY
	119	6B	AP/S/KIN	KINNERASANI SANCTUARY
	120	6C	MP/N/IND	INDRAVATI NATIONAL PARK
	121	6C	MP/S/UDA	UDANTI SANCTUARY
	122	6C	MP/S/BHA	BHAIRAMGARH WILD BUFFALO SANCTUARY
	123	6C	MP/S/ACH	ACHANAKMAR SANCTUARY
	124	6C	MP/N/KANG	KANGER GHATI NATIONAL PARK
	125	6D	BIH/S/BHI	BHIMBANDH SANCTUARY
	126	6E	MP/N/PEN	PENCH NATIONAL PARK (Including Pench Sanctuary)
	127	6E	UP/S/KAI	KAIMUR SANCTUARY
	128	6E	MP/N/KAN	KANHA NATIONAL PARK
	129	6E	MP/N/BAN	BANDHAVGARH NATIONAL PARK
	130	6E	MP/S/NAU	NAURADEHI SANCTUARY
	131	6E	MAH/S/YAW	YAWAL SANCTUARY

TABLE - 1

PRIORITY LISTING OF THE VERY HIGH VALUE PAs

CATEGORY OF THE PA	Sno.	BIOGEOGRAPHIC PROVINCE	CODE	NAME
	132	7A	UP/N/DUD	DUDHWA NATIONAL PARK
	133	7B	WB/S/JAL	JALDAPARA SANCTUARY
	134	8A	ASS/N/KAZ	KAZIRANGA NATIONAL PARK
	135	8A	ASS/S/LAO	LAOKHAWA SANCTUARY
	136	8B	MAN/N/KEI	KEIBUL LAMJAO NATIONAL PARK
	137	8B	NAG/S/INT	INTANKI SANCTUARY
	138	10A	GUJ/N/MAR	MARINE NATIONAL PARK
	139	10A	MAH/S/PHA	PHANSAD SANCTUARY
	140	10B	WB/N/SUN	SUNDERBANS NATIONAL PARK
	141	10B	AP/S/PUL	PULICAT SANCTUARY
Subtotal = 52	142	10B	TN/S/POI	POINT CALIMERE SANCTUARY

TABLE - 1

PRIORITY LISTING OF THE VERY HIGH VALUE PAs

CATEGORY OF THE PA	Sno.	BIOGEOGRAPHIC PROVINCE	CODE	NAME
PAs whose priority can not be determined due to lack of data	143	2A	J&K/S/OVEA	OVERA-ARU SANCTUARY
	144	2D	ARU/S/MOU	MOULING NATIONAL PARK
	145	2D	ARU/S/DIB	DIBANG SANCTUARY
	146	2D	ARU/S/KAM	KAMLANG SANCTUARY
	147	3A	GUJ/S/KAC	KACHH DESERT SANCTUARY
	148	5B	KAR/N/KUD	KUDREMUKH NATIONAL PARK
	149	5B	KAR/S/PUS	PUSHPAGIRI SANCTUARY
	150	5B	MAH/S/KOY	KOYNA SANCTUARY
	151	6A	AP/N/SRI	SRI VENKATESHWARA NATIONAL PARK
	152	6A	AP/S/GUN	GUNDLA BRAHMESHWARAM SANCTUARY
	153	6A	AP/S/SRI	SRI LANKAMELLESWARA SANCTUARY
	154	6A	TN/S/GRI	GRIZZLED SQUIRREL (Srivilliputhur) SANCTUARY
	155	7A	UP/S/SON	SONANADI SANCTUARY
	156	7B	BIH/S/VIK	VIKRAMSHILA DOLPHIN SANCTUARY
	157	7B	WB/N/BUX	BUXA NATIONAL PARK AND SANCTUARY
	158	7B	WB/N/GOR	GORUMARA NATIONAL PARK
	159	8A	ASS/S/DIB	DIBRU SAIKHOWA SANCTUARY
	160	8B	MEG/N/BAL	BALPHAKRAM NATIONAL PARK
	161	10B	AP/S/KRI	KRISHNA SANCTUARY
Subtotal = 20	162	10B	TN/N/MAR	MARINE NATIONAL PARK (Gulf of Mannar)

Note: This table reflects the results of having used a database which was compiled over a decade ago. Consequently, there are a few surprises. For example, PAs like Dampa, Sanjay Gandhi (MAH), Radhanagari, Achanakmar, Marine N.P. (GUJ) etc. are shown as low pressure sites. However, in actual fact the biotic and "developmental" pressures on these PAs are enormous. Similarly many PAs now face pressures of organised poachers operating within their boundaries, a phenomenon which was relatively underrated at the time that the database was compiled.

TABLE - 2

PRIORITY LISTING OF THE HIGH VALUE PAs

CATEGORY OF THE PA	Sno.	BIOGEOGRAPHIC PROVINCE	CODE	NAME
High pressure+Low management and legal status	1	2A	HP/S/TUN	TUNDAH SANCTUARY
	2	2A	HP/S/BAN	BANDLI SANCTUARY
	3	2A	J&K/S/SUR	SURINSAR MANSAR SANCTUARY
	4	2A	HP/S/KHO	KHOKHAN SANCTUARY
	5	2B	HP/S/TAL	TALRA SANCTUARY
	6	2B	HP/S/CHA	CHAIL SANCTUARY
	7	2B	HP/S/NAI	NAINA DEVI SANCTUARY
	8	2B	HP/S/SHIL	SHILLI SANCTUARY
	9	2B	HP/S/MAJ	MAJATHAL SANCTUARY
	10	2B	HP/S/DARL	DARLAGHAT SANCTUARY
	11	4B	RAJ/S/DAR	DARRAH SANCTUARY
	12	4B	RAJ/S/SHE	SHERGARH SANCTUARY
	13	4B	RAJ/S/JAW	JAWAHAR SAGAR SANCTUARY
	14	4B	RAJ/S/PHU	PHULWARI SANCTUARY
	15	4B	MP/S/SAR	SARDARPUR SANCTUARY
	16	5B	MAH/S/BHI	BHIMASHANKAR SANCTUARY
	17	6A	KAR/N/BANN	BANNERGHATTA NATIONAL PARK
	18	6A	KAR/S/ADI	ADICHUNCHANAGIRI SANCTUARY
	19	6B	AP/S/SIW	SIWARAM SANCTUARY
	20	6B	MAH/S/PAI	PAINGANGA SANCTUARY
	21	6D	BIH/S/TOP	TOPCHANCHI SANCTUARY
	22	6E	MP/S/PHE	PHEN SANCTUARY
	23	6E	MP/S/PAN	PANPATHA SANCTUARY
	24	6E	UP/S/MAH	MAHAVIR SANCTUARY
Subtotal = 25	25	7A	UP/S/NAW	NAWABGANJ SANCTUARY
High pressure+High management and legal status	26	2A	HP/S/KAL	KALATOP KHAJJIAR SANCTUARY
	27	2A	J&K/S/NAN	NANDINI SANCTUARY
	28	2A	J&K/S/OVE	OVERA SANCTUARY
	29	4A	HP/S/REN	RENUKA SANCTUARY
	30	4A	J&K/S/JAS	JASROTA SANCTUARY
	31	4B	GUJ/S/BAR	BARDA SANCTUARY
	32	4B	RAJ/S/BHE	BHENSRODGARH SANCTUARY
	33	4B	GUJ/S/DUM	DUMKHAL SLOTH BEAR SANCTUARY
	34	4B	MP/S/PAL	PALPUR KUNO SANCTUARY
	35	4B	MP/S/NAR	NARSINGARH SANCTUARY
	36	4B	MP/S/SAI	SAILANA SANCTUARY
	37	5B	KAR/S/DAN	DANDELI SANCTUARY
	38	5B	GOA/S/BON	BONDLA SANCTUARY
	39	5B	MAH/S/TAN	TANSA SANCTUARY
	40	6A	KAR/S/BLA	BLACK BUCK SANCTUARY (RANEBENNUR)
	41	6A	TN/N/GUI	GUINDY NATIONAL PARK
	42	6B	AP/S/POC	POCHARAM SANCTUARY
	43	6B	MAH/N/NAW	NAWEGAON NATIONAL PARK
	44	6B	MAH/S/NAG	NAGZIRA SANCTUARY
	45	6C	MP/S/GOM	GOMARDA SANCTUARY
	46	6C	ORI/S/CHA	CHANDAKA-DAMPADA SANCTUARY
	47	6C	MP/S/BAR	BARNAWAPARA SANCTUARY

TABLE - 2

PRIORITY LISTING OF THE HIGH VALUE PAs

CATEGORY OF THE PA	Sno.	BIOGEOGRAPHIC PROVINCE	CODE	NAME
	48	6D	BIH/S/GAU	GAUTAM BUDDHA SANCTUARY
	49	6D	ORI/S/HAD	HADGARH SANCTUARY
	50	6D	MP/S/SEM	SEMARSOT SANCTUARY
	51	6D	MP/S/TAM	TAMORE PINGLA SANCTUARY
	52	6D	BIH/S/RAJ	RAJGIR SANCTUARY
	53	6D	MP/S/BAD	BADALKHOL SANCTUARY
	54	6D	BIH/S/LAW	LAWALONG SANCTUARY
	55	6D	ORI/S/NAN	NANDANKANAN SANCTUARY
	56	6E	MP/S/RAT	RATAPANI SANCTUARY
	57	6E	MP/S/SING	SINGHORI SANCTUARY
	58	6E	MP/S/BAG	BAGDARA SANCTUARY
	59	6E	MP/S/KHE	KHEONI SANCTUARY
	60	6E	MP/S/SAN	SANJAY (DUBRI) SANCTUARY
	61	6E	MAH/S/BOR	BOR SANCTUARY
	62	7A	UP/S/KAT	KATERNIAGHAT SANCTUARY
	63	7B	WB/S/BAL	BALLAVPUR SANCTUARY
Subtotal = 39	64	10B	AP/S/COR	CORINGA SANCTUARY
Low pressure+low management and legal status	65	1A	J&K/S/LUN	LUNGNAG SANCTUARY
	66	2A	HP/S/KAI	KAIS SANCTUARY
	67	2B	HP/S/GOB	GOBIND SAGAR SANCTUARY
	68	2B	HP/S/SHIM	SHIMLA WATER SUPPLY CATCHMENT SANCTUARY
	69	2C	SIK/S/FAM	FAMBUNG LHO SANCTUARY
	70	4A	PUN/S/BIRM	BIR MOTIBAGH
	71	4A	PUN/S/BIRG	BIR GURDIAL PURA
	72	4A	PUN/S/BUN	BIR BUNERHERI
	73	4B	RAJ/S/JAM	JAMVA-RAMGARH SANCTUARY
	74	5B	KER/S/CHIN	CHINNAR SANCTUARY
	75	5B	GOA/S/COT	COTIGAO SANCTUARY
	76	5B	KAR/S/NUG	NUGU SANCTUARY
	77	5B	KER/S/THA	THATTEKKAD SANCTUARY
	78	5B	KER/S/PEP	PEPPARA SANCTUARY
	79	5B	KER/S/ARA	ARALAM SANCTUARY
	80	5B	KER/S/PEE	PEECHI-VAZHANI SANCTUARY
	81	6A	KAR/S/RANG	RANGANATHITTU SANCTUARY
	82	6A	KAR/S/MEL	MELKOTE SANCTUARY
	83	6A	KAR/S/GHA	GHATAPRABHA SANCTUARY
	84	6A	TN/S/VED	VEDANTHANGAL SANCTUARY
	85	6C	ORI/S/BAI	BAISIPALLI SANCTUARY
	86	6E	UP/S/CHA	CHANDRAPRABHA SANCTUARY
	87	6E	MP/N/FOS	FOSSIL NATIONAL PARK
	88	8B	MAN/N/SIR	SIROY NATIONAL PARK
	89	10B	WB/S/LOT	LOTHIAN ISLAND SANCTUARY
Subtotal = 26	90	10B	ORI/S/BAL	BALUKHAND-KONARK SANCTUARY
Low pressure+High management and legal status	91	2A	J&K/S/RAM	RAMNAGAR SANCTUARY
	92	4A	CHA/S/SUK	SUKHNA SANCTUARY
	93	4A	HP/S/SIM	SIMBALBARA SANCTUARY
	94	4A	HAR/S/SAR	SARASWATI PLANTATION SANCTUARY

TABLE - 2

PRIORITY LISTING OF THE HIGH VALUE PAs

CATEGORY OF THE PA	Sno.	BIOGEOGRAPHIC PROVINCE	CODE	NAME
	95	4B	RAJ/S/VAN	VAN BIHAR SANCTUARY
	96	4B	RAJ/S/NAH	NAHARGARH SANCTUARY
	97	4B	GUJ/S/KHI	KHIJADAYA SANCTUARY
	98	5B	KER/S/IDU	IDUKKI SANCTUARY
	99	5B	MAH/S/KAL	KALSUBAI HARICHANDRAGAD SANCTUARY
	100	5B	GUJ/N/BAN	BANSDA NATIONAL PARK
	101	6A	AP/S/NEL	NELAPATTU SANCTUARY
	102	6B	MAH/S/DEU	DEULGAON SANCTUARY
	103	6B	MAH/S/NAN	NANDUR MADHMESHWAR SANCTUARY
	104	6B	AP/S/MAN	MANJIRA SANCTUARY
	105	6C	MP/S/PAM	PAMED SANCTUARY
	106	6E	MP/S/SON	SON GHARYAL SANCTUARY
	107	6E	MP/S/KEN	KEN GHARIYAL SANCTUARY
	108	6E	MP/N/VAN	VAN VIHAR NATIONAL PARK
	109	7B	WB/S/RAM	RAMNABAGAN SANCTUARY
	110	8B	MEG/S/SIJ	SIJU SANCTUARY
Subtotal = 21	111	10B	WB/S/SAJ	SAJNAKHALI SANCTUARY

ANNEX 3

Sno	FIELD VISITED PROTECTED AREAS
	ANDAMAN AND NICOBAR ISLANDS
1	CAMPBELL BAY NATIONAL PARK
2	GALATHEA NATIONAL PARK
3	MARINE/WANDOOR NATIONAL PARK
4	MIDDLE BUTTON NATIONAL PARK
5	MOUNT HARRIET NATIONAL PARK
6	NORTH BUTTON NATIONAL PARK
7	RANI JHANSI NATIONAL PARK
8	SADDLE PEAK NATIONAL PARK
9	SOUTH BUTTON NATIONAL PARK
10	CUTHBERT BAY SANCTUARY
11	GALATHEA SANCTUARY
12	INTERVIEW SANCTUARY
13	LOHABARRACK (SALTWATER CROCODILE) SANCTUARY
	ANDHRA PRADESH
14	KASU BRAHMANANDA REDDY NATIONAL PARK
15	MAHAVEER HARINA NATIONAL PARK
16	MRUGAVANI NATIONAL PARK
17	SHRI VENKATESHWARA NATIONAL PARK
18	CORINGA SANCTUARY
19	ETURNAGARAM SANCTUARY
20	GUNDLA BRAHMESHWARAM SANCTUARY
21	KAWAL SANCTUARY
22	KINNERSANI SANCTUARY
23	KOLLERU SANCTUARY
24	KRISHNA SANCTUARY
25	MANJIRA SANCTUARY
26	NAGAR JUNASAGAR (TIGER RESERVE) SANCTUARY
27	NELAPATTU SANCTUARY
28	PAKHAL SANCTUARY
29	PAPIKONDA SANCTUARY
30	PRANHITA SANCTUARY
31	PULICAT SANCTUARY
32	ROLLAPADU SANCTUARY
33	SRI VENKATESWARA SANCTUARY
	ASSAM
34	MANAS (TIGER RESERVE) NATIONAL PARK
35	DIBRU SAIKHOWA SANCTUARY
36	GIBBON SANCTUARY
37	LAOKHOWA SANCTUARY
38	MANAS (TIGER RESERVE) SANCTUARY
39	ORANG SANCTUARY
40	PANIDIHING SANCTUARY
	CHATTISGARH
41	ACHANAKMAR SANCTUARY
	HIMACHAL PRADESH
42	DARANGHATI I & II SANCTUARY
43	DHAULADHAR SANCTUARY
44	KALATOP-KHAJJAR SANCTUARY
45	KANAWAR SANCTUARY
46	KHOKHAN SANCTUARY
47	KIAS SANCTUARY
48	KUGTI SANCTUARY
49	LIPPA ASRANG SANCTUARY
50	MANALI SANCTUARY

ANNEX 3

Sno	FIELD VISITED PROTECTED AREAS
51	RUPI BHABA SANCTUARY
52	SANGLA SANCTUARY
	JAMMU & KASHMIR
53	HEMIS HIGH ALTITUDE NATIONAL PARK
54	CHANGTHANG SANCTUARY
55	KARAKORAM SANCTUARY
	KARNATAKA
56	BANDIPUR (TR) NATIONAL PARK
57	KUDREMUKH NATIONAL PARK
58	BHADRA SANCTUARY
59	BILLIGIRI RANGA SWAMY SANCTUARY
60	BRAHMAGIRI SANCTUARY
61	MOOKAMBIKA SANCTUARY
62	PUSHPAGIRI SANCTUARY
63	SHARAVATHI VALLEY SANCTUARY
64	SHETTIHALLY SANCTUARY
65	SOMESHWARA SANCTUARY
66	TALAKAVERI SANCTUARY
	KERALA
67	ERAVIKULAM NATIONAL PARK
68	PERIYAR (TIGER RESERVE) NATIONAL PARK
69	SILENT VALLEY NATIONAL PARK
70	CHIMMONY SANCTUARY
71	CHINNAR SANCTUARY
72	IDUKKI SANCTUARY
73	NEYYAR SANCTUARY
74	PARAMBIKULLAM SANCTUARY
75	PEECHI VAZANI SANCTUARY
76	PEPPARA SANCTUARY
77	PERIYAR SANCTUARY
78	SHENDURUNY SANCTUARY
79	THATTIKAD SANCTUARY
80	WAYANAD SANCTUARY
	MADHYA PRADESH
81	MADHAV NATIONAL PARK
	MAHARASHTRA
82	GUGAMAL (TR) NATIONAL PARK
83	AMBABARWA SANCTUARY
84	BHIMASHANKAR SANCTUARY
85	DAJIPUR SANCTUARY
86	KOYNA SANCTUARY
87	MELGHAT SANCTUARY
88	NANAJ SANCTUARY
89	NARNALA SANCTUARY
90	RADHANAGARI SANCTUARY
91	REHEKURI BLACKBUCK SANCTUARY
92	WAN SANCTUARY
	MEGHALAYA
93	BALPAKRAM NATIONAL PARK
94	NOKREK NATIONAL PARK
95	BAGHMARA SANCTUARY
96	NONGKHYLLEM SANCTUARY
97	SIJJU SANCTUARY
	MIZORAM
98	MURLEN NATIONAL PARK

ANNEX 3

Sno	FIELD VISITED PROTECTED AREAS
99	DAMPA SANCTUARY
100	NGENGPUI SANCTUARY
	NAGALAND
101	INTANKI SANCTUARY
102	PULIEBADZE SANCTUARY
103	RANGAPAHAR SANCTUARY
	ORISSA
104	DEBRIGARH SANCTUARY
105	KHALASUNI SANCTUARY
106	KOTGARH SANCTUARY
107	LAKHARI VALLEY SANCTUARY
108	BAISIPALLI SANCTUARY
109	SATKOSIA GORGE SANCTUARY
110	SUNABEDA SANCTUARY
111	BADARMA (Ushakothi) SANCTUARY
	PUNJAB
112	HARIKE LAKE SANCTUARY
	RAJASTHAN
113	JAISAMAND SANCTUARY
114	JAMWA RAMGARH SANCTUARY
115	KUMBHALGARH SANCTUARY
116	MOUNT ABU SANCTUARY
117	RAMGARH VISDHARI SANCTUARY
	SIKKIM
118	KHANGCHENDZONGA NATIONAL PARK
119	FAMBUNG LHO SANCTUARY
120	KYONGHOSLA SANCTUARY
121	MAENAM SANCTUARY
122	SINGHBA SANCTUARY
	TRIPURA
123	GUMATI SANCTUARY
124	RAO SANCTUARY
125	TRISHNA SANCTUARY
	TAMIL NADU
126	INDIRA GANDHI NATIONAL PARK
127	MARINE NATIONAL PARK
128	MUDUMALAI NATIONAL PARK
129	MUKURTHI NATIONAL PARK
130	ANAMALAI (INDIRA GANDHI) SANCTUARY
131	MUDUMALAI SANCTUARY
	UTTARANCHAL
132	CORBETT(TIGER RERSERVE) NATIONAL PARK
133	GANGOTRI NATIONAL PARK
134	GOVIND PASHU VIHAR NATIONAL PARK
135	ASKOT SANCTUARY
136	BINSAR SANCTUARY
137	GOVIND PASHU VIHAR SANCTUARY
	WEST BENGAL
138	SUNDERBANS NATIONAL PARK
139	SAJNAKHALI SANCTUARY

ANNEX 4

SURVEY OF NATIONAL PARKS AND SANCTUARIES IN INDIA

Sponsored by the
Ministry of Environment and Forests
Government of India

QUESTIONNAIRE - 1

INDIAN INSTITUTE OF PUBLIC ADMINISTRATION
NEW DELHI
1998

TABLE OF CONTENTS

INSTRUCTIONS FOR FILLING IN THE QUESTIONNAIRE

As the responses to this questionnaire would be fed into the computer, you are requested to read and follow these instructions carefully, thereby helping us to ensure that the information is recorded correctly.

1. The questionnaire may kindly be filled in and dispatched back to us **within one month of receipt**. Please do not delay the response, as this would hold up the consolidation of information for the whole country and its presentation in report form.
2. Dates/periods for which data are required have been indicated in the questionnaire. Where data are not available for the dates/period required KINDLY GIVE DATA FOR THE NEAREST AVAILABLE DATES/PERIOD AND INDICATE CLEARLY THE DATES/PERIOD FOR WHICH YOU ARE SUPPLYING DATA.
3. Wherever the space given in the questionnaire for recording answers is found inadequate, kindly attach extra sheets of paper INDICATING THE PAGE NUMBERS AND QUESTION NUMBER to which the response is given.
4. VERY IMPORTANT: While filling in the questionnaire please:
   a) WRITE "N.A." against any question not applicable to the PA you are responding about.
   b) LEAVE BLANK the space against any questions for which you do not have the answer. In case you expect to have this information available by some future date, please indicate this date IN THE MARGIN ON THE LEFT OF THE QUESTION NUMBER.

   AS ONE OF THE PURPOSES OF THIS QUESTIONNAIRE IS TO DETERMINE THE NATURE AND EXTENT OF INFORMATION AVAILABLE WITH PA AUTHORITIES, KINDLY ENSURE THAT ONLY THOSE ANSWER SPACES ARE LEFT BLANK FOR WHICH YOU DO NOT HAVE INFORMATION.

5. While giving data that you might not be totally certain about, kindly indicate the reasons for your reservations by a footnote at the bottom of the page, clearly stating the question number to which the footnote refers.
6. STATISTICAL DATA MAY KINDLY BE PROVIDED IN THE UNITS ASKED FOR IN THE QUESTIONNAIRE. In case the data available with you are in some other units, please convert them to the relevant units before entering them in the questionnaire. In those rare cases where such a conversion is not possible, kindly indicate the units in which the data are being given.
7. While answering the questions, please tick mark the correct answer in the space provided. Please provide additional information where relevant.
8. A copy of the completed questionnaire may kindly be retained in your office as your record copy and for future reference.
9. The original questionnaire, duly completed, may kindly be returned, along with the enclosures listed below, **BY NAME** to:

   Shekhar Singh
   Project Director
   Indian Institute of Public Administration, Indraprastha Estate
   Ring Road, New Delhi - 110 002

DOCUMENTS TO BE ENCLOSED WITH THIS QUESTIONNAIRE

1. Copy of past management plan(s) (especially for the past 5 years)
2. Copy of the sanctioned budget of the PA for the last 3 years.
3. Copy of the PA's notification issued under sections 18 and/or 35(1) of the Wildlife (Protection) Act, 1972.
4. Copy each of any material published/ photocopied/ cyclostyled or typed, on the management or biological aspects of the PA.
5. Copy of the report of any study done on the PA.
6. Copy of future plans, management plans or work proposals.
7. Copy of future budget proposals.
8. Copy of schemes/ cost schedules and other related documents relating to relocating human populations.
9. Checklists of flora and fauna found in the PA.
10. Results/ reports of the flora/fauna census of the PA.
11. Names of all towns/ villages located within and adjacent (10 km radius) to the PA.
12. Copy of rates payable for death/injury of humans/cattle and for crop damage.

13. Maps of PA[1] giving latitude, longitude and scale. Essentially, the maps should have the following information, along with appropriate and distinct codes :

- i Boundary of the PA, also specifying area actually acquired, under acquisition and/or subsequently excluded, separately. Please also mark along the boundary, the type of adjoining habitat (eg. reserved forest, private agricultural land etc.)
- ii Boundaries of the core, buffer and other zones (eg. tourism zone, multiple use zone etc.), if any
- iii Boundaries of the ranges.
- iv Roads, including highways and other *kucha* and *pucca* roads.
- v Railway lines, indicating gauge and the stations between which they run.
- vi Water sources: mark rivers, lakes, tanks, reservoirs, canals, glaciers, springs, pipelines and all other significant water sources specifying whether they are perennial or non-perennial.
- vii All buildings including offices, resthouses, and residential quarters.
- viii Manned and unmanned checkposts/entry points.
- ix Watch towers and animal enclosures.
- x Artificial physical protective structures (fences, trenches, walls etc.) along the PA boundary.
- xi Villages and towns within and adjoining the PA(10 km radius from the boundary).
- xii Commercial, social forestry/ other fuel/fodder plantations.
- xiii Areas from where fuel/fodder/timber/NTFP are collected.
- xiv Fire lines/ areas affected by fires/floods/droughts etc.
- xv Areas that are proposed to be added to the PA.
- xvi Forest types according to the revised classification of Champion and Seth, using different patterns for each forest type.
- xvii Location of sacred sites/ groves.
- Xviii natural corridors.
- xix Location of activities like mining, quarrying, NTFP extraction, etc. by individuals and non-government agencies and activities like military establishments, hydel power and irrigation projects etc. by government agencies.
- xx Recreation/Picnic areas.
- xxi Salt licks used by fauna.
- xxii Location of information/interpretation centre for visitors.
- xxiii Past and present location of relocated villages.
- xxiv Highest and lowest points of the PA.
- xxv Illegal encroachments.
- xxvi Corridors for power transmission lines
- xxv i Any other important features.

14. Any other material that you might consider useful or that might provide required data or information.

---

[1] If necessary, please prepare two or more maps, each containing some of this information. However, the maps must all be of the same scale.

LIST OF ABBREVIATIONS

BZ =	Buffer Zone
Cm =	Centimetre
CZ =	Core Zone
Km/km=	Kilometre
Msl./msl =	Metres above Sea Level
N.A. =	Not Applicable
PA =	Protected Area
Rs. =	Rupees
sq. km. =	Square Kilometre
TZ =	Tourism Zone

Full name of the PA (Please ensure that the names and spelling are as officially notified)_____

_____

Earlier name(s) of the PA, if any_____

Full address (including pin code)_____

_____State/Union Territory_____

Name, designation and full address of the person in-charge of the PA_____

_____

Telephone no (including STD code) _____ Fax No: _____Residential no'_____

Date of receipt of questionnaire _____Date of despatch of questionnaire_____

_____
Signature of PA in-charge

FOR COMPUTER CODING - PLEASE DO NOT FILL

Date of receipt of questionnaire _____ PA code_____

Date of coding _____

_____
Signature of coder

1. Biological Profile

1.1 *Habitat types and extent*

1.1.1. Please give the area (in sq. km.) or length (in km) occupied by the following types of habitat/geographical features in the PA :

Types of Habitat/ Geographical Features	Area (sq. km.)/ Length (Km)
Forests (area)	
Wetlands (area)	
Perennial rivers/ streams (length)	
Coasts (length)	
Islands (area)	
Ocean (area)	
Rangelands (grasslands) (area)	
Mountains (area)	

Types of Habitat/ Geographical Features	Area (sq. km.)/ Length (Km)
Deserts (area)	
Glaciers and other permanently snowbound areas (area)	
Others (please specify)	

1.1.2. Please give estimated area (sq km) of different forest types in the PA according to the revised classification of Champion and Seth:

Forest type/sub type	Range/ location in PA	Area (sq km)

Forest type/sub type	Range/ location in PA	Area (sq km)

1.2 Forest Status

1.2.1 For the forests contained within the PA, please give the following information for each range.

Name of the range	Area of range (sq. km.)	% of forest cover in the range which is[1]				Causes of disturbance[2] (List all the causes)	Current status of disturbance
		A. Un-disturbed	B. Slightly disturbed	C. Heavily disturbed	D. Plantations		

[1] The categories A, B, C, and D are defined as follows:-

A. Those forest ranges which are undisturbed as they have not been subjected to any forestry operations and human pressures including non-forestry land use like mining and quarrying, habitation, or some other developmental activities, biotic pressures like grazing, NTFP collection etc., and habitat related factors like forest fires or floods and retain their natural species composition.

B. Those forest ranges which are subject to some disturbance and show a slight change in their natural species composition

C. Those forest ranges which are heavily disturbed and where there is a significant alteration of the natural species composition.

D. Those forest ranges which have either been clear felled and planted, or where the predominant vegetation cover is planted.

[2] Kindly enter the appropriate abbreviations: FL= Floods; DR= Drought; LS = Landslide; CY= Cyclone; ER= Erosion; TW= Tidal Wave; DAM= Dams; DEV= Development projects; FIR= Fire (Burning);GRA= Grazing; HAB= Habitation; MIN= Mines/quarries; NTF= NTFP collection; CUL= Cultivation; FEL = Tree felling; TOU= Tourism; PIL= pilgramages; OTH= Others (please specify). Note: Additional pages may be attached if required.

1.3 Plantations

1.3.1. Are there plantations[3] in the PA? Yes ____No ____. If yes, then please give the following information separately for each species:

Name of species planted (Scientific and common Name)	Is it exotic or indigenous to the PA?	Names of the ranges it has been planted in	Area of plantation (sq km)	Year in which first planted?	Purpose of plantation

[Please mark plantations in the PA map. Indicate whether they are in core/buffer/other zone, where relevant]

1.4. Corridors

1.4.1. Does a corridor of forest or other natural ecosystem connect your PA with other PAs? Yes_____ No_____

1.4.2. If yes, then: Please list the names of the PAs so connected _____

1.4.3 Please give information regarding the nature of the corridor (eg. Forest, wetland etc)_____

1.4.4 Please give the length of the corridor(s) (km)_____ **[Please also mark this corridor on a map]**

---

[3] Plantations refer to areas planted with non-native species (exotic to the NP/S), as well as areas planted with indigenous species in monoculture or non-n
formations.

1.5. *Species (Fauna)*

1.5.1 **Kindly attach a full list of FAUNAL species (including invertebrates) found in the PA .**

1.5.2. Please give information requested below for faunal species listed in schedule I of the Wildlife (Protection) Act, 1972.

List the Schedule I FAUNAL species found in the PA (Scientific and Common Name)	Status[4]	Distribution (please √ one of the columns)			Source of Information (e.g. census, research, personal estimate)	Ranges/Locations in the PA where the species occurs
		Confined to small area	Fairly well distributed	Widely distributed		

[4] STATUS : A = Abundant; C = Common; O = Occasional; R = Rare; S = Seasonal.

1.5.3. Give details of any perceived overpopulation of FAUNA in the PA (including typical wildlife and forest pest organisms) :

Name (common and scientific) of species	Probable cause of overpopulation	Management initiatives taken, if any, to control the overpopulation, and with what success

1.5.4. Please give details of any locally threatened species of FAUNA (i.e. Schedule I or other species whose population has declined in the PA):

Name (common and scientific) of species	Estimated past peak population	Current population estimates	Probable causes for the decline in population	Management initiatives, if any, taken to protect/ regenerate population and their results

1.5.5. Please indicate any FAUNAL species of special interest found in the PA and explain its significance.

Name (common and scientific) of species	Significance[5]	Current Status (Stable/declining/ Increasing/unknown)	Names of forest ranges where it occurs	Source of information (e.g. survey, research, personal estimate, etc.)

1.5.6. Have any species of FAUNA been deliberately introduced[6] into the PA? If yes, then please give the following information.

Name (common and scientific) of species	Year of introduction	Reason for Introduction	Current Status (Stable/declining/ Increasing/unknown)	Names of forest ranges in which this species was introduced

[5] SIGNIFICANCE : (1) Found only in this PA. (2) Wild relative of domesticated species (3) Source of medicine (4) Other commercial value (5) Cultural importance (6) Hunted as game or for trophy (7) Others (please specify)

[6] This term refers to the introduction of species that are not known to naturally occur in the PA.

1.5.7 Have any FAUNAL species been accidentally introduced into the PA? YES ____ NO ____ *If yes, please indicate which species were* introduced, when, and under what circumstances: _____

_____

1.5.8. Have any animals been bred in captivity within the PA? Yes_____ No _____. If yes, then please give the following details:

Name (common and scientific) of the species	Years in which bred	Numbers bred	Source of breeding stock (zoo, wild, etc.)	Reasons for breeding	Numbers released in the wild	Years of release	Location of release (indicate whether in PA)

1.5.9 Please describe the steps taken, if any, to ensure that inbreeding does not occur _____

_____

_____

NOTES:

1.6 Species (Flora)

1.6.1 **Kindly attach a full list of FLORAL species found in the PA.**

1.6.2. Please complete the table below in regard to the occurrence of FLORAL species listed in Schedule I of the Wildlife (Protection) Act, 1972.

List the Schedule I FLORAL species found in the PA (Scientific and Common Name)	Status	Distribution (please (√) one of the columns)			Source of Information (e.g. census, research, personal estimate)	Ranges/Locations in the PA where the species occurs
		Confined to small area	Fairly well distributed	Widely distributed		

[7] STATUS : A = Abundant; C = Common; O = Occasional; R = Rare; S = Seasonal.

1.6.3. Please indicate any plant species of particular interest found in the PA and explain its significance.

Name (common and scientific) of species	Significance[8]	Current Status (Stable/declining/ Increasing/unknown)	Names of forest ranges where it occurs	Source of information (e.g. survey, research, personal estimate, etc.)

1.6.4. Have any species of flora including cultivated plants been deliberately introduced[9] into the PA? YES____ NO____ If yes, then please give the following information.

Name (common and scientific) of species	Year of introduction	Reason for Introduction	Current Status (Stable/declining/ Increasing/unknown)	Names of forest ranges in which this species was introduced

1.6.5 Have any plants been accidentally introduced in the PA? YES ____ NO ____ If yes, please give the species of plants, the year of introduction and the circumstances under which they were introduced: _____

_____

[8] SIGNIFICANCE : (1) Found only in this PA. (2) Wild relative of cultivated plant (3) Medicinal value (4) Other commercial value (5) Cultural ir
(6) Others (please specify)

[9] This term refers to the introduction of species which are not known to naturally occur in the PA.

1.6.6. Please give details of any locally threatened species of FLORA (i.e. Schedule I or other species whose occurrence has declined in the PA):

Name (common and scientific) of species	Ranges/ locations of occurrence	Magnitude of decline (area or nos)	Probable causes for the decline in occurrence	Management initiatives, if any, taken to protect/ regenerate population and their results

1.6.7. Please give details of the spread of any FLORAL species (apart from weeds) in a quantum greater than considered healthy for the PA ecosystem

Name (common and scientific) of species	Probable cause of increase/ spread	Management initiatives taken, if any, to control the spread, and with what success	Names of ranges where such a spread has taken place

1.6.8. Is there an infestation of weeds (aggressive or invasive exotics) in the PA? Yes___ No ___If yes, please give the following information:

Name (Scientific & Common / Local Name) of the weed	Area (sq km) of PA affected	Names of forest ranges affected	Year of first occurrence	Impact of weed on PA	Management initiatives taken, if any, to control/ eradicate weed and outcome

1.6.9. If infestation of weeds is NOT A PROBLEM NOW, but was in the past, please give the following information:
[Please mark in a map, areas of the PA which are/were infested by weeds showing whether they are in core/buffer/other zone, where relevant]

1.6.10. Is there any *ex-situ* cultivation of plants from the PA ?

Name (Scientific & Common/Local Name) of the species	Significance of the plant	Cultivated since when	Purpose of cultivation	Where is it cultivated (within the PA or outside)

1.7 *impact of pressures on biodiversity of the PA*

1.7.1 Impact of events/ human activities/ projects on THE HABITAT OF THE PA.

Events/ activities/ projects[10]	Year(s) of occurr-ence	Area affected (Sq.km.)	Affected ranges/ locations in the PA	Type of habitat affected (eg. forest, grassland, wetland,	Impact[11]

[10] EVENTS/ACTIVITIES/PROJECTS: Kindly enter the appropriate abbreviations-FL= Floods; DR= Drought; LS = Landslide; CY= Cyclone; ER= Erosion; TW= Tidal Wave; DAM= Dams; DEV= Development projects; FIR= Fire (Burning);GRA= Grazing; HAB= Habitation; MIN= Mines/quarries; NTF= NTFP collection; CUL= Cultivation; FEL = Tree felling; TOU= Tourism; PIL= pilgrimage; OTH= Others (please specify).

[11] IMPACTS: Kindly enter the appropriate number- FOR FLORA:(1) Extinction (2) Population decline (3) Disease (4) Degradation (5) Poor regeneration (6) Changes in habitat/ vegetation/forest types (7)Proliferation of hardy species/weeds (8) Others (please specify). Note: Please photocopy this page and attach additional pages if more species are affected.

1.7.2 Impact of events/ human activities/ projects on FAUNA (including invertebrates)

Events/ activities/ projects[12]	Year(s) of occurr-ence	Area affected (Sq.km.)	Affected ranges/ locations in the PA	Faunal species affected		Approx. Number affected	Impact[13]
				Common/ Local Name	Scientific Name		

[12] EVENTS/ACTIVITIES/PROJECTS: Kindly enter the appropriate abbreviations-FL= Floods; DR= Drought; LS = Landslide; CY= Cyclone; ER= Erosion; TW= Tidal Wave; DAM= Dams; DEV= Development projects; FIR= Fire (Burning);GRA= Grazing; HAB= Habitation; MIN= Mines/quarries; NTF= NTFP collection; CUL= Cultivation; FEL = Tree felling; TOU= Tourism; PIL= pilgrimage; OTH= Others (please specify).

[13] IMPACTS: Kindly enter the appropriate number- FOR FAUNA:(1) Extinction (2) Population decline (3) Disease (4) Migration away from the site (5) Loss of breeding site (6) Loss of food source (7) Loss of water source (8) Malnutrition (9)Increased threat from predators/ hunters; Note Please photocopy this page and attach additional pages if more species are affected.

1.7.3 Impact of events/ human activities/ projects on FLORA

Events/ activities/ projects[14]	Occurred when (years)	Area affected (Sq.km.)	Affected ranges/ locations in the PA	Floral Species affected		Impact[15]
				Common/ Local Name	Scientific Name	

[14] EVENTS/ACTIVITIES/PROJECTS: Kindly enter the appropriate abbreviations-FL= Floods; DR= Drought; LS = Landslide; CY= Cyclone; ER= Erosion; TW= Tidal Wave; DAM= Dams; DEV= Development projects; FIR= Fire (Burning);GRA= Grazing; HAB= Habitation; MIN= Mines/quarries; NTF= NTFP collection; CUL= Cultivation; FEL = Tree felling; TOU= Tourism; PIL= pilgrimage; OTH= Others (please specify).

[15] IMPACTS: Kindly enter the appropriate number- FOR FLORA:(1) Extinction (2) Population decline (3) Disease (4) Degradation (5) Poor regeneration (6) Changes in habitat/ vegetation/forest types (7)Proliferation of hardy species/weeds (8) Others (please specify). Note: Please photocopy this page and attach additional pages if more species are affected.

1.7.4. Please give details regarding forest fires, if any, that have occurred in the PA in the last five years:

Year	No of fires	Area affected (sq km)	Name of range(s) affected	Causes of fires	Describe impact on PA
19__					
19__					
19__					
19__					
19__					

[Please mark areas of the PA on a map, where forest fires occur showing whether they are in core/buffer/other zone, where relevant]

1.7.5 Please describe the steps taken to prevent/ control fires specifying the length fire lines and the type of equipment used to fight fire:

_____

_____

1.7.6. Please give details regarding abnormal or unnatural flooding[16], if any, in the PA in the last five years:

Year	Area affected (sq km)	Name of range(s) affected	Causes of floods	Describe impact on PA, indicating estimated loss of wildlife and specifying species and numbers
19__				
19__				
19__				
19__				
19__				

[Please mark areas of the PA on a map, where abnormal flooding occurs showing whether they are in core/buffer/other zone, where relevant]

1.7.7 Please describe steps taken to prevent or control floods: _____

_____

1.7.8. Is the PA situated in a flood prone zone? Yes_____ No_____

[16] This refers to unnatural/ human caused flooding and not natural inundation.

1.7.9. Please give details of droughts[17] (abnormal water shortages), if any, that have occurred in the PA in the past five years:

Year	Drought months	Area affected (sq km)	Name of range(s) affected	Causes of droughts	Describe impact on PA, indicating estimated loss of wildlife and specifying species and numbers
19					
19					
19					
19					
19					

[Please mark areas of the PA on a map, where abnormal flooding occurs showing whether they are in core/buffer/other zone, where relevant]

1.7.10 Please describe the steps taken to control or prevent droughts:_____

1.7.11. Is the PA located in a drought prone region? Yes____ No____

1.7.12 Is there any system of monitoring water and air pollution levels within the PA? Yes____ No____

1.7.13 If yes, what are these?_____

1.7.14 Please give details of current problems of water and air pollution in the PA:

Years	Nature of pollution/ pollutant	Source of pollution	Area affected (sq km)	Name of range(s) affected	Impact on the PA	Action taken, if any, to prevent/ control pollution
19						
19						
19						
19						
19						

[Please mark areas of the PA on a map, which are polluted showing whether they are in core/buffer/other zone, where relevant]

[17] This refers to unnatural/ human caused shortage of water and not natural droughts.

1.7.15 Please give details of unnatural/ human caused water logging/ drainage problems in the PA:

Year(s)	Nature of problem	Area affected (sq km)	Name of range(s) affected	Impact on the PA	Action taken, if any, to prevent/ control the problem

[Please mark areas of the PA on a map, which are water logged showing whether they are in core/buffer/other zone, where relevant]

1.7.16 Please give details of any other recurring problems due to natural reasons (eg. cloudbursts, avalanches, landslides etc.) in the PA you are responding about:

Years	Nature of problem	Area affected (sq km)	Periodicity of the problem	Name of range(s) affected	Impact on the PA	Action taken, if any, to prevent/ control pollution

[Please mark areas of the PA on a map, which have recurring problems due to natural reasons showing whether they are in core/buffer/other zone]

1.7.17. Is there any tree felling/ extraction in the PA now or in the past (since it became a PA) Yes___No___? if yes, then please give the following information:

Name of species felled/ extracted	Area of PA affected (sq km)	Name of range(s) affected	Years when felling/ extraction took place	Purpose of felling/ extraction (eg. commercial timber, pulp wood, fuel wood, etc.)	Which agency is/ was involved in felling/ extraction?

[Please mark areas of the PA on a map, where tree felling is done showing whether they are in core/buffer/other zone]

1.7.18. Have any diseases of flora affected the PA in the last ten years? Yes___ No___. If yes, please give the following:

Year	Name of disease	Area affected (sq km)	Name of range(s) affected	Name of species affected	Describe efforts to prevent/ control disease
19					
19					
19					
19					
19					
19					
19					
19					
19					

1.7.19. Did any diseases of fauna affect the PA in the last ten years? Yes ___ No ___. If yes, please give the following details:

Year	Name of disease	Name of species affected	% of population affected	Possible cause of disease	Describe efforts to prevent/ control disease
19__					
19__					
19__					
19__					
19__					
19__					
19__					
19__					
19__					
19__					

1.7.20 Are livestock within the PA and in the surrounding areas vaccinated? Within PA: Never _____ Sometimes _____Regularly_____

Surrounding Villages: Never _____ Sometimes _____Regularly_____

Percentage of livestock vaccinated: Within PA _____ Surrounding Villages _____

1.7.21 Where highways/public roads pass through the PA, do you check whether the livestock passing through have been vaccinated?

Always _____ Occasionally _____ Never _____

1.7.22 Do quarantine facilities exist at or near the entrance(s) of the PA? Yes _____ No _____

2. Geograpical Profile

2.1. Area of PA _____(sq. km); District(s) within which the PA falls _____

Latitude of PA from_____ to _____Longitude from _____ to _____

Nearest town _____ Distance _____ km Nearest Railhead _____Distance_____ km

Nearest Airport _____ Distance _____ km

2.2. Please indicate the best approach to the PA from nearest town/ airport and railhead, indicating distances and modes of transport

_____

_____

2.3.Topographical details: Highest point: Name _____ Height _____msl; Lowest point; Name _____ Height _____ msl

2.4 Water resources: Please give the following details

TYPE	NUMBERS	
	PERENNIAL	SEASONAL
Artificial tanks/ holes		
Natural tanks/ holes		
Reservoirs		
Natural lakes		
Rivers/ streams		
Springs		
Glaciers		

TYPE	NUMBERS	
	PERENNIAL	SEASONAL
Wells/ pumps		
Others (pl. specify)		

.2.5 Please indicate what, if any, are the periods of water scarcity in the PA_____

2.6 Please give details about the weather conditions in the PA:

MONTH	MAX TEMP °c	MIN TEMP °c	RAINFALL (mm)	HAILSTORMS		HOT WINDS		GALES/ CYCLONES		FROST	
				occurrence √	area affected (ha)	occurrence √	area affected (ha)	occurrence √	area affected (ha)	occurrence √	area affected (ha)
JAN											
FEB											
MAR											
APR											
JUN											
JUL											
AUG											
SEP											
OCT											
NOV											
DEC											
ANN-UAL											

2.7 Please give the name(s) of the meteorological station(s) from where the above figures have been taken. Please also indicate whether they are located within or outside the PA. _____

2.8 Please list the survey of India (1:50,000 or larger) toposheet reference numbers for the sheets covering the PA

NUMBER	SCALE

3. SOCIO – ECONOMIC PROFILE

3.1 Habitation

3.1.1 Are there any people living inside the PA? Yes ____ No _____ . If yes, please fill the following table:

Name of Village[18] and year of establishment in the PA.	Type of Village[19]			Total Population[20]			Area Occupied (sq.km)	Total Number of Livestock in the village[21]					Major Occupation of the Villagers (agriculture, pastoralism, wage labour etc.)	Name of forest range/block where village is located
	F	R	OT	Total	SC	ST		C	B	S	G	OT		

(Please attach a separate sheet if there are more villages.)

3.1.2 Please indicate the number of villages adjacent (10 km radius) to the PA and their population: _____Villages, with _____ population, of which _____ are tribals and _____ belong to the scheduled castes.

---

[18] **Each cluster of households (hamlets, cattle camps, etc.) can be reported as a village even if technically they are not distinct villages.**
[19] **F = Forest, R = Revenue, OT = Others (Please Specify)**
[20] **ST = Schedule Tribes, SC = Schedule Castes**
[21] **C = Cows, B = Buffaloes, G = Goats, S = Sheep, OT = Others (Please Specify)**

3.2 *Relocation*

3.2.1. Please fill up the following table for villages that have already been relocated, if any:

Name of village	Number of families relocated[22]			Year of relocation	Name of relocated site and distance from the original site (km)	Name of range from where the village has been relocated	Total cost of Relocation for the village (Rs.)
	Total	SC	ST				

Material to be provided along with the table:

- **Map showing present and past location of the villages that have been relocated.**
- **Copy of the relocation plan giving details of the cost of relocation.**

[22] ST = Schedule Tribes, SC= Schedule Castes

3.2.2 Please give details, in the table below, of the relocation package used,:

Name of village	Land (acres) given in lieu of land	Land (acres) given to the landless	Total cash compensati-on given per village (Rs)	House building material given (please √)	Provision for access to (please √)				Other benefits, if any (please describe)
					Common resources	Fuel wood	Fodder	Other NTFP	

3.2.3. Was there any NGO involved in relocation of villagers. YES ____ NO ____ If yes, please give its (their) name(s) and address(es).

_____

_____

3.2.4. Was relocation funded from any central or state scheme. If yes, give the name(s) and details of the scheme(s). _____

_____

3.2.5. Have any villages been identified for future proposed relocation? Yes _____ No _____. If yes, **please enclose a copy of the proposed relocation plan and the list of the villages that have been identified for relocation.**

3.3 Grazing

3.3.1 Is there any grazing in your PA? Yes _____ No _____. If yes, please fill in the table below.

Type of animals grazing	Area (in sq.km) of the PA grazed.	Months when grazing takes place in the PA.	Number of animals grazing legally (annually)	Number of animals grazing illegally (annually)	Has the number of animals grazing come down or increased in the last five years (give numbers)	Name of ranges where such grazing takes place in PA	Habitat Type (for example mention whether area is a forest, wetland, grassland etc.)
All types (Total)							
Cows							
Buffaloes							
Goats							
Sheep							
Camels							
Others (pl specify)							

3.3.2 Are there any migratory graziers passing through the PA? Yes_____ No _____

3.3.3 If yes, how long have they been grazing their cattle in the PA? _____ (Mention the number of years)

3.3.4 Which are the months when they are in the PA? _____

3.3.5 How many livestock do they bring (give numbers)? Cows_____Buffaloes_____Sheep_____Goats____Others (specify)_____

3.3.6 Where do they come from? _____ Where do they go? _____

3.3.7 Has the number of migrant livestock increased or decreased in the last 5 years? _____ _____(Please indicate the quantum of increase or decrease) _____

3.4 Fishing, Collection of Large Timber, NTFP, and Other Animals or their Parts

3.4.1 In case there is CURRENTLY any collection of timber and NTFP from the PA (legally or illegally), please fill in the table below:

Name of species collected		Part(s) used (eg. root, leaf, flesh, etc.)	Used as what (eg. fodder, fuel, food, medicine etc.)	Months when collected	Quantum collected (specify units)	Is the produce used by the collector (Tick one or more, as relevant)				Do locals, or outsiders, or both collect the produce.	Habitat type from which produce is collected (e.g. forests, wetlands etc)
Scientific name	Local / Common name					In the hous-ehold	Sold[23]				
							A	B	C		

(Please attach maps with location of areas from which timber, NTFP, Fuelwood and Fodder are collected. Please mark these areas out separately in different colours in each case)

[23] A = Sale in local market, B = Sale to trader or contractor, C = Sale to towns or cities.

3.5 *Religious and Cultural Use of PA*

3.5.1 Are there any places of pilgrimage, sacred groves or sites inside the PA? Yes ___ No _____. If yes, please fill the following table:

Name of the sacred grove, site or place of pilgrimage	Species/ ecosystems associated with the site	Area occupied by sacred site (sq km).	Name and religion of the community which considers the place sacred.	Briefly describe the restrictions and taboos associated with the site

(Please mark the location of the sacred sites on the map)

3.5.2 Are there any special government or community institutions associated with the pilgrimage/ sacred site? YES ___ NO ___ If yes, please give the name and the address of the institution(s)

_____

3.6 *Impact of PA on Local People*

3.6.1 Please give information about death/ injury **to human beings** by wild animals, separate entry for each incident, over the last five years:

Year and month	Species of animal involved	No. Of people attacked	Attack took place (√)		Resulted in (indicate numbers)		Amount (in Rs) of compensation paid per head	
			Inside PA	Adjacent to PA	Death to	Injury to	For death	For injury
19								
19								
19								
19								
19								

(Please attach copy of schedules specifying the rates of compensation payable).

3.6.2 Please give information about death/ injury **to livestock** by wild animals, separate entry for each incident, over the last five years:

Year and month	Species of the attacking animal	Species of livestock attacked	No. of livestock attacked	Attack took place (√)		Resulted in (indicate numbers)		Amount (in Rs) of compensation paid per head	
				Inside PA	Adjacent to PA	Death to	Injury to	For death	For injury
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									

3.6.3 For the extent of **crop damage** in the last three years, please fill up the following table, separate entry for each incident:

Year and month	Animal species causing damage	Type of crops affected		Area of crops damaged (ha.)		Estimated losses (in Rs)		Compensation paid (in Rs.) in each case	
		Inside PA	Adjoining PA	Inside PA	Adjoining PA	Inside PA	Adjoining PA	Inside PA	Adjoining PA
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									
19									

(Please attach a copy of the schedule of compensation payable)

3.6.4 Describe the process by which the value of the damaged crop is estimated. _____

_____

_____

_____

3.6.5 Please give details of any conflicts, confrontations, violent clashes, representations or protests that may have taken place between the local people and the park authorities inside or adjacent to the PA in the last five years. Please list each incident separately.

Year and month	Reason for clash, confrontation, or representation etc.	Parties clashing/ representing (give names of villages, groups etc.)	Was there violence?	Subsequent action taken by the authorities	Subsequent action taken by the people.
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					

3.6.6 Please fill the following table on the **nature of resource use and existence of rights** currently prevalent *inside the PA:*

What use are communities making of the PA and/ or its resources (please list each use separately)?	Is this use a recorded or customary right, lease or license, illegal or otherwise permitted? (pl specify)	For how long has this use been prevalent (give exact years, if known)?	How much area is affected by this use (ha)?	Which communities (name villages or groups) are using/ involved in this?	What is the ecological impact, if any, of this use?

3.6.7 Please list any **resource use activities, or activities degrading the PA**, that were prevalent **in the past** but have now been stopped.

Activity/ resource extracted	Year of start	Year of stopping	Who was using/ degrading the resources/PA?	How was it stopped?	What ecological impact did it have on PA?

3.6.8 For those activities/uses stopped, have any alternatives been provided? Yes ___ No _____. If yes, please give details:

Name of alternative activity/ resource provided	Nature of activity/ resource it replaces	Managing Agency and Scheme under which alternatives provided	Number of households participating.	Annual allocation (Rs)	What has been the level of success of these activities in diverting pressure from the PA.

3.6.9 Has eco-development been introduced in the PA or its surrounds? Yes ____ No ____. If yes please fill the following table:

List (each separately) the activities carried out under eco-development.	No. of families covered by this activity.	What pressures on the PA are sought to be reduced through this activity?	How successful has this activity been in reducing such [pressures?

4. MANAGEMENT PROFILE

4.1 Legal Status and Control

4.1.1 Please fill in the following details about the current legal status of the PA. If two or more parts of the PA have different legal status, please indicate, area wise, the various legal statuses.

Area (sq km)	Legal Status[24]	Date of Notification	Notification Number[25]	Act under which notified	Remarks

4.1.2 In case your PA was initially declared prior to 1972, please also fill in the table below with regards to its status prior to 1972. If two or more parts of the PA had different legal status, please indicate, area wise, the various legal statuses.

Area (sq km)	Legal Status (NP, Sanctuary, Game Reserve)	Date of notification	Period of Notification	Notification Number	Act under which Notification Issued

[24] National Park (section 36.4), Intended National Park (35.1), Sanctuary (26A or 66.4), Intended Sanctuary (18.1). Wherever a section is mentioned it refers to the Wild Life (Protection) Act 1972, unless otherwise specified.

[25] Where more than one notification is relevant, give the date, number and the area notified for each notification.

4.1.3 Please indicate which of the following legal steps have been taken, under the Wild Life (Protection) Act, for your PA, when and for how much of the area.

Applicable to:	Please indicate whether :		If yes, give date ddmmyy (If more than one date, give all dates, indicating area covered on each date.	Area (sq km)
All national parks (NP) and sanctuaries (S) declared after 2/10/1991	Intention notified (Sections 18(1) or 35(10))	Y/N		
All sanctuaries declared prior to 2/10/91	Sanctuary notified (18(1) of the un-amended WL Protection Act)	Y/N		
All NP/S	PA limits defined (18(2) or 35(2))	Y/N		
All NP/S	Proclamation issued by collector (21 & 35(3))	Y/N		
All NP/S	Appointment of settlement or other officer to perform the functions of a Collector (26 & 35(3))	Y/N		
All NP/S	Commencement of inquiry (22 & 35(3))	Y/N		

Applicable to:	Please indicate whether :		If yes, give date ddmmyy (If more than one date, give all dates, indicating area covered on each date.	Area (sq km)
All NP/S	Completion of inquiry	Y/N		
All NP/S	Admittance/ rejection of claims (24 & 35(3))	Y/N		
All NP/S	Exclusion of area (24(2a) & 35(3))	Y/N		
All NP/S	Acquisition of the area (24(2b) & 35(3))	Y/N		
Only sanctuaries	Allowing of rights (24(c))	Y/N		
All NP/S	Settlement of appeals (25 & 35(3))	Y/N		

4.1.4. If the final notification for part or whole of the national park (or of a sanctuary declared after October 2, 1991) has been done as per sections 26-A and/or 35(3,4) of the Wildlife (Protection) Act, 1972 (as amended in 1991), then please give the following information:

Date of final notification	Notification number	Area notified (sq km)	Area excluded, if any (sq km)

4.1.5. If there has been any alteration in the boundaries of the PA since it was initially notified, then please fill in the following.

Date of alteration	Area added (sq km)	Area deleted (sq km)	Reason for addition/ deletion	Name of forest range where area added/ deleted

4.1.6. What was the legal status of the PA area prior to its being notified as a PA under the Wildlife (Protection) Act, 1972 (or some earlier act)? In case the area had more than one type of legal status, please indicate all the categories applicable.

Legal Status	Area (sq km)
Reserve Forests[26]	
Protected Forests[26]	
Revenue land	

Royal Hunting Reserve	
Private land	
National Park	
Sanctuary	
Game Reserve	
Others (Please specify)	

[Please also mark these areas on a map]

26 As per the Indian Forest Act, 1927. If they are declared under any other Act, then please put them in others and specify the Act.

4.2 *Area, zones and boundaries*

4.2.1. Is there any zoning in the PA you are responding about? Yes ___ No ___ (Please √)

4.2.2. If yes, then please give the area as well as legal status of these zones.

Type of zone	Within the national park/ sanctuary[27]		Outside the national park/ sanctuary [28]	
	Area (sq km)	*Legal status (NP / S / INP / IS / others-pl specify)*	*Area (sq km)*	*Legal status(RP/ RF/ others-pl specify)*
Core				
Buffer				
Tourist				
Other (pl. Specify)				

4.2.3. Were the size and shape of the PA determined (Please √):

To correspond to reserve/protected forest boundaries _____; To be contained within some natural boundaries _____

According to ecological principles ___(if so, please give details):_____

_____

According to administrative convenience ___ (if so, please give details) : _____

_____

Others (Please specify) : _____

4.2.4. Is there any inter-state or international boundary creating special problems for the PA, for controlling disturbances and illegal activities, extending management practices across these borders, etc. ? YES_____NO_____

4.2.5. If yes, please give details: _____

[27] NP=national park: S=sanctuary: INP=Intended national park IS=Intended sanctuary

[28] RF=Reserved Forest: PF=Protected Forest:

4.3. Management Plans

4.3.1. What are the specific objectives of the PA, as specified in the management plan or other government orders?

_____

_____

_____

4.3.2 Is there a current management plan for the PA? Yes____No___

4.3.3 How many previous plans have been made ? _____

4.3.4. If there is a plan, when was it prepared? Day _____Month _____Year _____

4.3.5. Name and designation of person (s) who prepared the plan _____

4.3.5.1 If non FD individual(s) or organisation(s) was involved in the preparation of the plan, kindly also give their name(s) and address(es):

_____

4.3.6. Was it approved? YES____ NO____

4.3.7. If pending approval, when was it submitted for approval? Day____ Month_____ Year_____

4.3.8. If approved, when was it approved ? Day____ Month ____Year____

4.3.9. For what period of time is it valid ? FROM_____ TO_____

4.3.10. If the period of validity has expired, is a new plan being drawn up? YES_____NO_____

4.3.11. If yes, who is preparing the new plan ? (Pl. give name and designation) _____

_____

4.4 *Budgets and expenditure*

4.4.1 Please give details of funds allocated and spent (both plan and non-plan) for the last three years

Year	Plan funds (in Rs)			Non-plan funds (in Rs)		
	Asked for	Allocated	Spent	Asked for	Allocated	Spent
19						
19						
19						

4.4.2 Please give details of any other funds received in the last three years for/ by the PA:

Year	Other funds received (Rs)	Source	Purpose
19			
19			
19			
19			
19			
19			

Year	Other funds received (Rs)	Source	Purpose
19			
19			
19			
19			
19			
19			

4.5. *Tourism and regulation of entry*

4.5.1. How many entry points to the PA by vehicle?_____

4.5.2. Of these, how many are manned?_____

4.5.3. How many entry points to the PA by foot?_____

4.5.4. Of these, how many are manned ?____

4.5.5. Are permits issued for the entry of visitors into the PA:

By vehicle: Yes ___No ____On foot Yes _____ No _____

4.5.6. Who issues these permits? _____

4.5.7. At what time of the day/night is entry prohibited? _____

4.5.8. At what time of the year is the PA closed to tourists and for what reasons?_____

_____

4.5.9. Indicate whether the PA is open to tourists, and by what mode of transportation:

Mode of transport	Name of range open	% of PA
Private vehicles		
Govt. Vehicles		
Tourist operator/ Dept. Vehicles		
On foot		
Animal Back		

Mode of transport	Name of range open	% of PA
Boat		
Other (please specify		

4.5.10 Please give the following details about visitors to the PA last year:

No. of overnight visitors (foreign) _____

No. of overnight visitors (Indian) _____

No. of day visitors (foreign) _____

No. of day visitors (Indian) _____

How many of the visitors are pilgrims? _____

In which months is the visitor's traffic at its peak? _____

In which months is the pilgrim's traffic at its peak? _____

What is the highest number of visitors in one day? _____

Are permits required for pilgrims Yes ____ No ___

Does the pilgrim traffic create any problems for the PA :

Normal pilgrim traffic: **Yes/ No**; peak pilgrim traffic **Yes/No**

If yes, please indicate the nature and extent of the problem.

_____

_____

_____

Does visitor traffic cause any problems for tha PA? YES___ NO___

What is the major tourist attraction(s) in the PA? _____

_____

What are the best months for visiting the PA? _____

4.5.11 Is there a public thoroughfare or highway through the PA? YES___NO___; If yes, please indicate the approximate number of people that pass through the PA each year, apart from the visitors listed above: _____

4.5.12 Please list the amount charged from visitors for:

Item	Charge (Rs)	Remarks
Entry per person (foreign)		
Entry per person (Indian)		
Student		
Per car		
Per bus		

Item	Charge (Rs)	Remarks
Movie/video camera		
Still camera		
Others (pl specify)		

4.5.13 Are their any plans to extend the tourist facilities in your PA? YES ___ NO ___ If yes, Please give details:

4.5.14 How many visitors, in your opinion, can be allowed into the PA without damaging it: Annually? _____ On peak days? _____

4.5.15 What are the adverse impacts that excessive/ inappropriate tourism has had (or can have) in your PA?

4.5.16 Do you follow any strategies for making tourism more eco-friendly (ecotourism)? YES___ NO ___ If yes, please give details:

4.5.17 Please give details of accommodation available for officials/ visitors in and around your PA:

Name of guest house/ lodge/ hotel etc.	Location (CZ/ BZ/ Inside /Outskirts (give name of place)	No of rooms (indicating AC/ non AC)	Daily charges for rooms (Rs.)	Is it open to non-officials?	Remarks

4.6. *Anti-poaching*

4.6.1. Are there any Anti Poaching Patrols/Flying Squads operating in the PA? Yes___ No____ 4.6.2. If yes, How many?_____

4.6.3. Please give the following information on the number of staff available exclusively for anti poaching work:

Designation	Number available		Number trained for anti poaching work	Types of weapons provided	Type of vehicles provided
	Regular	Daily wage			

4.6.4 What weapons /transportation /communication equipment is available with the poachers? _____

_____

4.6.5. Are there any special limiting factors arising due to seasonal causes (eg. rain, snow etc.) which hamper the operations of anti-poaching patrols? If so, what are these and how are they overcome? _____

_____

_____

4.6.6. Are there any special limiting factors arising due to the terrain/physical features (eg. high mountains, large water bodies etc.) which limit the operation of these patrols? If so, what are these and how are they overcome?_____

_____

_____

4.6.7. Do these patrols have access to radio/wireless communication? If so, does the radio/wireless network cover the entire PA, or only a part?

_____

4.6.8. Is there a local informer network operating for the PA? Yes_____ No____ 4.6.9. Does it work effectively? Yes _____ No____

4.6.10. Is there an Incentive and reward scheme in existence? Yes_____ No_____

4.6.11. If yes, then please give details of this scheme_____

_____

4.6.12. Are the anti-poaching measures adequate in your PA? Yes_____ No____ If not, what more is required (please be specific)?

_____

_____

4.6.13. How many licensed/unlicensed guns are there in the PA and its surrounds?_____

4.7. Issuing of permits

4.7.1. Kindly list all the permits issued for hunting or removal of wildlife as per section 29 or 35.6 of the Wildlife (Protection) Act, 1972, in the last five years :

Year	Name and designation of recepient	Period of validity	Name and number of species permitted to be hunted/ removed	Reasons for issuing the permit
19				
19				
19				
19				
19				
19				
19				
19				
19				

4.8 Nature of Commercial Activities Inside the PA

4.8.1 Kindly give details of **commercial** activities inside the PA, currently or in the past (after the PA was declared):

Type of activity (eg mining, industry, commercial extraction etc.)	Years when it took place	Area impacted (sq.km)	Name(s) of forest range(s) impacted	Agency involved	Impact, if any, on the PA?	Efforts made by PA authorities to stop this activity?

4.8.2 Kindly give details of **developmental** activities inside the PA, currently or in the past (after the PA was declared):

Type of activity (eg dams, roads, power lines, etc.)	Years when it took place	Area impacted (sq.km)	Name(s) of forest range(s) impacted	Agency involved	Impact, if any, on the PA?	Efforts made by PA authorities to stop this activity?

(Please mark the location of these activities on a map of your PA).

4.8.2Has the presence of these activities led to ecological degradation in the surrounds of the PA? Yes___ No___

4.8.3 If yes, please describe the impact:_____

_____

_____

4.9. *Encroachments*

4.9.1 Is (or was) there any incidence of encroachment in the PA? YES ___NO ___If yes, then please give the following information:

Year of encroachment	Area affected (sq km)	Purpose of encroachment	Agency/ group/ individual involved	Name(s) of forest ranges affected	Action taken by PA authorities	Current status

4.10. Staffing and staff training

Staffing

4.10.1 **Please enclose an organisational chart of the PA**

4.10.2Please give details of staff sanctioned and in position in the PA, by designation, and indicate whether official housing is available for them.. When listing the staff, count each full time person as one. In case staff have responsibilities other than the management and protection of the PA, please number them as being half, one third etc.: **POSITON AS ON _____(GIVE DATE)**

Designation	Number of posts sanctioned	Number of posts filled in	Housing available in/around PA
Conservator			
DFO/DCF			
ACF			
Range Officer			

Designation	Number of posts sanctioned	Number of posts filled in	Housing available in/around PA
Dy. Ranger/ Forester			
Forest Guard			
Other (pl specify)			

4.10.3 Are any daily wagers employed in the PA? Yes_____ No_____. If yes, then please give the following for the last three years:

Year	Number of persons employed on daily wage	How many of them were from villages inside\ adjoining the PA	Months when they were employed	Total person days of employment providied	Specific tasks performed by them
19					
19					
19					

4.10.4. Please give name and designation of the local in-charge of the PA (the senior-most officer stationed at or just outside the PA) _____

_____

4.10.5. Where is the local in-charge stationed ? _____

4.10.6. Where is the PA Director stationed? _____

4.10.7 Does the PA Director have other responsibilities apart from this PA? YES_____NO_____

4.10.8 If yes, what are these?_____

_____

4.10.9. Is a veterinarian attached to the PA? Yes _____ No ____ ; If so, what is his/her specialisation?_____

4.10.10 Do you have a veterinarian hospital in or around the PA? YES____ NO___; If so, how far is it from the PA boundary?_____

4.10.11 Do you have any full time research staff working in the PA? YES____ NO____

4.10.12. If yes, please give their particulars:

Name and designation	Qualification	Department/institution	Topic of research	Years spent in PA

4.10.13 Please give designation/ number of personnel undertaking educational/ extension work in the PA or in the surrounds:

Designation	Numbers	Nature of activities	Geographical area of work

4.10.14 Please give details of PA staff facilities available in and around the PA:

Institution	Distance from PA (km)	Adequacy of service
Dispensary		
Hospital		
Post Office		
Bank		
Market		

High School		
Middle School		
College		
Others (pl. specify)		

Training

4.10.15 Please indicate wildlife training, if any, received, or being received, by the different categories of staff currently in position.

Name & designation of officer/ staff	Nature of training	Duration of training	Name of institution where training received/ being received	Year when training was done

4.11. *Equipment and literature*

4.11.1. Please list below the type and quantum of equipment available to help in the management of the PA. Please give here a list of equipment which is owned by the PA management and kept in the PA headquarters, **not** in the divisional or state offices

Type of equipment	Numbers available	Nos. currently working
Wireless sets (fixed)		
Wireless sets (mobile, vehicle		
Wireless sets (hand held)		
Rifles/guns		
Binoculars/telescopes		
Radio tracking equipment		
Darting equipment		
Infra-red viewers/nightscopes		
Tents		
Telephone		
Computer		
Slide projector		
TV		
VCR		
Film Projector		
Electric generator		
Spotlights		
Cycles		
Boats		

Type of equipment	Numbers available	Nos. currently working
Vehicles (Please specify type)		
Other (Please specify) :		

4.11.2 Does the PA have the following?

Item	Available	Available for (please √)							Description and remarks
		Rent	*Sale*	*Free use*	*Free distribution*	*Visit*	*Reference*	*Screening / viewing*	
Maps of PA	YES/NO								
Booklet on PA	YES/NO								
Zoo/animal enclosures	YES/NO								
Hides/towers for viewing	YES/NO								
Slides on wildlife	YES/NO								
Films on wildlife	YES/NO								
books on wildlife	YES/NO								
Checklists (birds)	YES/NO								
Checklists(other animals)	YES/NO								
Checklists (plants)	YES/NO								
Binoculars for visitors	YES/NO								
Vehicles for tourists	YES/NO								
Others (specify)	YES/NO								
	YES/NO								
	YES/NO								
	YES/NO								
	YES/NO								
	YES/NO								

4.12. Research and Monitoring

4.12.1. Please give details of any ongoing research in \ on the PA.

Name of expert and specialisation	Institution to which expert is affiliated	Period of research/ association (give dates)	Nature and topic of research

4.12.2. Please give details of past research in / on the PA.

Name and institution of researcher	Year in which research completed	Nature and topic of research	Whether research findings were published? If so, please give title and publisher	Are copies of report available with the PA?	What is the assessment of the PA authorities regarding the relevance and quality of the research.

4.12.3. Do you have any monitoring activities (including census) regarding the flora & fauna in the PA? YES____ NO____

4.12.4. If yes, please give the following details :

Type of activity (eg. census, preservation plots, etc.)	Frequency (eg. yearly/ monthly)	Methodology (eg. Pugmark, counts etc.)	PA area covered (%)	Species/ ecosystems covered

4.12.5. Do you have any special/cheap/subsidised accommodation for researchers from other organisations ? YES____ NO____

4.13. Interpretation, Education and Extension

4.13.1. Are there any programmes to educate villagers residing within the PA or in the peripheral villages? YES____NO_____

4.13.2. If yes, please give details on nature of programme, and its frequency _____

_____

4.13.3. Do you have an interpretation centre? Yes_____ No_____

4.13.4. If yes, please indicate where it is located (BZ/CZ/TZ /outskirts) and give details of facilities provided in it _____

_____

_____

4.14. People's Participation

4.14.1. Have the local people been involved in managing the PA or in implementing any scheme/activity? If so, please give details: _____

_____

_____

4.14.2. Are there any non-governmental organisations/individuals associated[29] with or active in the PA? YES____ NO____

4.14.3. If yes, please give details about the nature of such association/activity, and the name(s) and addresses of these organisations/ individuals:

_____

_____

4.14.4 Describe instances, if any, of community involvement in the protection and/or management of the PA: _____

_____

_____

Notes:

[29] Association here does not refer to only formal association, but also informal association.

5. MANAGEMENT ISSUES AND STRATEGIES

5.1. Please give below details of offences detected in the PA in the past three years:

Offence (sections of WLPA in brackets)	No of cases filed in			Of these, how many accused were			% of cases resulting in convictions	Describe the trend for this offence over the last ten years. Is it increasing or decreasing? What are the causes for its increase or decrease? What proportion of incidents are detected?
	19__	19__	19__	G[30]	V[31]	O[32]		
Illegal alteration of boundary (26A(3) & 35(5))								
Improper entry (27.1)								
Improper conduct (27.2)								
Causing damage to boundary mark (27.3)								
Teasing/molesting of Wild Animals (27.4)								
Destruction, exploitation, etc of wildlife (29 &35.6)								
Causing fire (30)								
Illegal weapons (31)								
Use of explosives/ other banned substances (32)								
Illegal activities (33)								
Grazing livestock without vaccination(33A)								
Non-registration of arms (34.1)								
Illegal granting of new arms licenses (34.3)								
Grazing in national park (35.7)								
Others (pl. specify)								

[30] G=Government Servant
[31] V=Villagers

5.2. Give details of the incidence of poaching of animals in and around the PA the past three years. Please list each incident separately:

Year	Species killed/ removed	Number killed/ removed	Reason for poaching (eg. meat, fur, bones etc.)	Name of range(s) where incident occurred	Method of poaching
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					
19					

5.3. If there are portions of the PA which are not under the control of the Chief Wildlife Warden as per section 33 and 35 of the Wildlife (Protection) Act, 1972, then please fill in the following. Please also give information on areas which are being used/ have been occupied by government or other agencies apart from the PA authorities.

Area (sq km)	Name of agency using/l controlling the area	Name of forest range(s) affected	Activity/ use being made of the area	Impact, if any, on PA	Describe action taken to get control of area

[Please also mark these areas on a map]

[32] O=Others (please specify)

5.4. Please describe below what, in your opinion, are the most important problems that you face in protecting and managing your PA:

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

5.5 In your estimation how much of your PA is totally free from any human disturbance? _____ha or _____ %

Thank you for filling in the questionnaire. Please attach the enclosures, as listed on pages i and ii, and mail one copy **BY NAME** to:

Shekhar Singh
Project Director
Indian Institute of Public Administration
Indraprastha Estate, New Delhi 110 002