MASTER LAYOUT PLAN FOR AJWA WILDLIFE PARK, AJWA, VADODARA, GUJARAT (SATELLITE FACILITY OF SRI SAYAJIBAUG ZOO, VADODARA, GUJARAT)

ANIMAL LEGENDS :-									
[S.No]	Enclosure	[LOCATION CARD]	No. of Animals [PRESENT]	PRESENT AREA AS CON. [Total]	PROPOSED AREA AS CON. [PROPOSED]	PROPOSED ANIMAL [Sqm.]	PROPOSED ANIMAL [Nos.]	BALANCE AREA [Sq.m.]	Comments
	BIRDS (INDIAN)								
	AQUATIC BIRDS -								
1.	DEMOISELLE CRANE	4-N	10	80				55	
2.	COMMON CRANE	4-N	10	80				55	
3.	SARAS CRANE	4-N	10	80				55	
4.	PAINTED STORK	4-N	10	80		3000		18	
5.	WHITE IBISNK	4-N	10	80				18	
6.	ASIATANT STORK	4-N	10	80				18	
7.	GREY LEG GOOSE	4-N	10	80				18	
8.	BAR-HEADED GOOSE	4-N	10	80				18	
9.	FLAMINGO	4,5-M	30	80		9750		55	
	TERRESTRIAL BIRDS :-								
10.	TRED JUNGLE FOWL	4,5-M,N	10	80				18	
11.	GREY JUNGLE FOWL	4,5-M,N	10	80		2600		18	
12.	GURAL	4,5-M,N	10	80				18	
		Total	960 Sqm.					288 Sqm.	

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	BIRDS (EXOTIC)								
	FLYING BIRDS -								
1.	BUDGERIGAR	4-U	50	40			—	18	
2.	COCKATIEL	4-U	20	80			—	18	
3.	JAVADIYA CONURE	4-U	10	80			—	18	
4.	PATAGONIAN CONURE	4-U	10	80			—	18	
5.	YELLOW BIBED CONURE	4-U	10	80		BALL IN AVIARY 10,000	—	18	
6.	LOVE BIRDS	4-U	20	80			—	18	
7.	BLUE & YELLOW MACAW	4-U	10	80			—	18	
8.	RED & GREEN MACAW	4-U	10	80			—	18	
9.	BLACK SWAN	4-U	10	80			—	18	
	TERRESTRIAL BIRDS :-								
10.	OSTRICH	3-O,N	8	500			55	55	
11.	EMU	3-E	8	500			55	55	
12.	CASSOWARY	4,5-OE	8	500	2600		55	55	
		Total		2180 Sqm.	12000 Sqm.		1650Sqm.	327 Sqm.	

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	MAMMALS (HERBIVORE) INDIAN								
1.	BLACK BUCK	4,5-B	12	1500+1000=2500	2600	90	151		
2.	BLACK BUCK (VIRSINHA)	5,6-C	12	1500+800=2300	3300	90	150		
3.	SAMBAR	4-G,N,S,T	12	1500+2000=3500		90	70		
4.	CHITAL (SPOTTED DEER	4-G,N,S,T	12	1500+2000=3500		90	70		
5.	NILGAI (BLUE BULL)	4-G,N,S,T	10	1500+1000=2100	27,250	100	70		
6.	BARKING DEER	3-M	12	1500+1500=3000	3000	90	60		
7.	CHAUSINGA	4,5-O	8	1500+2000=3500	3500	90	60		
8.	MAHAKOSHA / SWAMP DEER	5-S,T	12	1500+1500=3000		90	60		
9.	THAMIN	5-S,T	12	1500+1500=3000	10,000	90	60		
10.	HOG DEER	5-S,T	12	1500+1500=3000		90	60		
11.	HIMALAYAN GORAL	5-L	10	1500+1500=3000		90	60		
12.	CHINKARA	5-N	8	1500+1500=3100	3090	90	60		
13.	BLACK BUCK	6-Q	12	2000+800=2800	2800	90	60		
14.	MOUSE DEER	5,6-S,T	10	800	880	90	60		
15.	GIANT SQUIRREL	5,6-S	8	400	450	90	18		
16.	SUN BEAR	3-UK	4	1500+2500=4000	2500	100	60		
	PRIMATES								
17.	RHESUS MACAQUE	4-L	6	500+400=900	1500	50	35		
18.	BONNET MACAQUE	4-KL	6	500+400=900	1300	50	35		
19.	PIG TAIL MACAQUE	4,5-KL	6	500+400=900	1300	50	35		
	MEGA HERBIVORE								
20.	INDIAN ELEPHANT	5-N	2	5000	9000		225		
21.	ONE HORNED RHINOCEROS	5,6-P	2	2000	2800	300	106		
		Total		44500 Sqm.	79200 Sqm.		1880 Sqm.	1604 Sqm.	

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	MAMMALS (HERBIVORE) EXOTIC								
1.	GIRAFFE	3-O,N	4	1500+800=2300		90	170		
2.	ZEBRA	3-O,N	4	1500+800=2300	30,000	90	60		
3.	IMPALA	3-O,N	10	1500+800=2300		90	60		
4.	ORYX	3-U	10	1500+1800=3300	3300	90	60		
5.	THOMPSON'S GAZELLE	3-K	10	1500+1200=2848	2848	90	60		
6.	KANGAROO	3-E	10	3000+800=1100	5500	90	60		
7.	WALLAB'	3-E	10	300+800=1100		90	60		
	PRIMATES								
8.	LEMUR	4,5-I	4	500+200=700	1000	50	36		
9.	BABOON	4,5-J	4	500+200=700	1000	50	36		
10.	SQUIRREL MONKEY	4,5-J	4	500+200=700	1000	50	36		
11.	CAPUCIN MONKEY	4,5-I	4	250+200=500	500	50	36		
12.	MANDRILL	4-H	4	500+200=700	1000	50	36		
	REPTILE								
13.	GIANT TORTOISE	4-J	4	200	500		25		
	MEGA HERBIVORE								
14.	HIPPOPOTAMUS	4-F	2	2000	8110	50	125		
				Total 20000 Sqm.	54708 Sqm.	870 Sqm.	1650 Sqm.		

OTHER BUILDINGS :-

INTERPRETATION CENTER	6700 sqm	
ADMIN OFFICE	2000 sqm	
ADMIN FORCE	2237 Sqm	
ADMIN OFFICE	1800 Sqm	
TICKET COUNTER	1000 Sqm	
FOREST HUTS - 45 x 15	675 Sqm	
ANIMAL HOSPITAL	1800 Sqm	
QUARANTINE	1800 Sqm	
TOILETS BLOCK	1500 Sqm	
ANIMAL KITCHEN & FOOD STORE	350 Sqm	
FODDER SHED	350 Sqm	
MAINTENANCE SHED	350 Sqm	
CAFETARIA 2 NOS - 4500 Sqm.		
OTHER SERVICE AREA LIKE - 3000 Sqm.		
(Toilets, Garbage bins,		
Right watchman huts etc.		
TOTAL - 28400 Sqm.		
PARKING IN ENTRANCE - 38588.5 Sqm.		
PARKING FOR CYCLES - 600.00 Sqm.		
PARKING FOR BATTERY OPERATED VEHICLE - 600.00 Sqm.		
TOTAL PARKING - 41188.00 Sqm.		
EMERGENCY EXIT ROAD - 776.00 Sqm.		
CYCLE ROAD - 2388.38 Sqm.		
SERVICE ROAD - 16879.00 Sqm.		
(7500.00 + 9379.00)		
TOTAL ROAD - 20043.12 Sqm.		
(10643.12 + 9400 Sqm.)		

AREA STATEMENTS :-

TOTAL AREA FOR AJWA WILDLIFE PARK = 607444.33 Sqm.	
PERM. GROUND COVERAGE - 10 % = 60744.43 Sqm.	
FORM F.S.I. - 30 % = 182233.30 Sqm.	
MIN. GREEN AREA REQ. - 30 % = 182233.30 Sqm.	

ZOO AREAS :-

	AREAS	AS CON.	PROPOSED	PROPOSED	PROPOSED
	INDIAN BIRDS	960	80000	3000	
	EXOTIC BIRDS	2180	12000	3327	165
	INDIAN MAMMALS	44500	79200	1880	1880
	EXOTIC MAMMALS	20000	54708	870	870
	TOTAL	68100 Sqm.	146908 Sqm.	2144 Sqm.	3215 Sqm.

GROUND COVERAGE FOR BUILDINGS

OTHER THEN NIGHT HOUSES FOR ANIMAL S - 34900 Sqm

BUILDS	28600.12 Sqm.
TOTAL GROUND COVERAGE ON ZOO SITE - 32961 Sqm.	
(28600.12+4361.00 = 32961 Sqm.)	
AREA CHANGED FOR ANIMALS ON SITE - 76397.1 Sqm.	
(76600.12+4361.00 - 4361.00 = 76397.1 Sqm.)	
TOTAL AREA ENGAGED ON SITE - 311644.82 Sqm.	
(76600.12+4361.00 +28600.12+32961.00 = 311644.82 Sqm.)	
REMAINING AREA = GREEN COVER = 607444.33 - 311644.82 = 295799.41 Sqm.	

SITE AREA FOR AJWA WILDLIFE PARK = 607444.33 Sqm. = 150.0 Acre

AREA ENGAGED FOR ANIMALS ON SITE - 162617.5 Sqm. = 40.18 Acre = 26.78 % of 150 Acre

TOTAL GROUND COVERAGE ON ZOO SITE - 32961 Sqm. = 8.0 Acre = 5.3 % of 150 Acre

TOTAL AREA ENGAGED ON SITE - 311644.82 Sqm. = 77.0 Acre = 51.3 % of 150 Acre

REMAINING AREA = GREEN COVER = 607444.33 - 311644.82 = 295799.41 Sqm. =73.0 Acre = 48.6 % of 150 Acre

ZONING PLAN

LEGEND :-		
SQ	PARTICULAR	SYMBOL
1	COMPOUND WALL	
2	DRAIN	
3	MAIN ROAD	
4	SERVICE ROAD	
5	BICYCLE TRACK	
6	EMERGENCY EXIT ROAD	
7	ELECTRIC LINE	
8	LIGHT POLE	
9	TREE	
10	ENCLOSURE PROPOSED	
11	ENCLOSURE to be modified	
12	RAILWAY STONE	
13	CHAINAGE	

NOTES :-

1. All dimensions and levels are in meter.
2. The levels are with reference to TBM RL- 67.649 Mt on Room on Ajwa Dam. The value of TBM is given by client.
3. The levels are at 10 x 10 mt grid and contour interval is 0.5 Mt.
4. The grid as marked on the sheet is 100 mt X 100 mt, parallel and perpendicular to Plot North with an arbitrary point of origin.
5. The North is 80°26'29" West to Plot North. The Plot North is certified as per the Boundary physically shown by the client.
6. Total Surveyed Safari Park Site Area = 607444.33 Sq.M. (150.0 Acre) (As per outer face of Compound Wall.)

IMPORTANT :-

1. AMMATRONICS : Animatronics shall deal with animal models of those animals which can't be brought here or we can also exhibit pre-historic animals so as to showcase the extinct Fauna.
2. Barriers other than moat like chain link fence, power fence, glass etc. to be used.

The revised Master (Layout) Plan of the Sayajibaug Zoo, Vadodara and its satellite facility at Ajwa, Gujarat was approved by the 33rd Meeting of the Central Zoo Authority (CZA) held on 12.02.2019 as recommended by the 81st Meeting of the Expert Group on Zoo Designing of the CZA held on 29.01.2019 and 87th Meeting of the Technical Committee of CZA held on 01.02.2019.

CURATOR
SRI SAYAJIBAUG ZOO
VADODARA MUNICIPAL CORPORATION
VADODARA

COMMISSIONER
MUNICIPAL CORPORATION
VADODARA

NOTES :-

1. This drawing is based on survey drawing provided by the Client.
2. Contour Interval 0.5 M.
3. Grid size = 100.0m x 100.0m
4. Copy right of this drawing rests with " GENESIS CONSULTANTS" New Delhi.
5. This drawing is to be used for the purpose it is intended for.
6. Detailed working drawings should take into account location of trees. Suitable changes in working drawings are to be made to avoid tree felling.

PROJECT :-
AJWA WILDLIFE PARK, AJWA, VADODARA, GUJARAT

TITLE :- PROPOSED MASTER LAYOUT PLAN (ANNEXURE -)

DATE:	PREPARED BY:	CHECKED BY:	STATUS:
08.01.2019	AR. JITENDRA	DR. PRATYUSH PATANJAL	FOR SUBMISSION

DRAWING NO. 01(A) SCALE:- 1:2000 (A1 sheet)

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