

AREA STATEMENT		
(ZONE-X)	PRESENT EXISTING ZOO AREA	= 41.67 ACRES (16.86 HECT.)
(ZONE-Y)	ADDITIONAL AREA FOR ZOO *(PART MAITRI BAAG) (A)	= 1.08 ACRES (0.44 HECT.)
	*(PART MAITRI BAAG) (C)	= 10.78 ACRES (4.36 HECT.)
	*(JAWAHAR UDYAN)	= 57.54 ACRES (23.28 HECT.)
(ZONE-W)	ADDITIONAL AREA FOR ZOO SOLID WASTE DISPOSAL, ANIMAL CREMATION, POSTMORTEM AREA	= 0.82 ACRES (0.33 HECT.)
<b>TOTAL ZOO AREA FOR MASTER PLAN</b>		<b>= 111.89 ACRES (45.27 HECT.)</b>
(ZONE-Z)	MAITRI BAAG AREA (GARDEN)	= 86.09 ACRES (34.84 HECT.)

AREAS WITHIN MAITRI BAAG GARDEN (GARDEN AREA) EXCLUDING ZOO		AREAS WITHIN ZOO PREMISES	
GROSS TOTAL AREA	= 16.419 ACRES (6.644 HECT.)	GROSS TOTAL AREA	= 16.419 ACRES (6.644 HECT.)
ROAD AREA AROUND BOUNDARY WALL	= 2119M x 3.75M = 7946.25 SQ. MT.	MAIN SERVICE ROAD ALONG WITH BOUNDARY WALL	= 3955M x 3.75M (1.483 Hect.) = 14831.25 SQ. MT.
INTERNAL CIRCULATION PATHWAY ROAD	= 2298M x 3.75M = 8617.50 SQ. MT.	INTERMEDIATE SERVICE ROAD FOR ENCLOSURES	= 2778M x 3.75M (1.040 Hect.) = 10402.50 SQ. MT.
TOY TRAIN RAILWAY TRACK LENGTH	= 0.76 KM.	VISITORS CIRCULATION PATHWAY	= 3768M x 7.75M (2.918 Hect.) = 29186.50 SQ. MT.
WATER BODY AREA (IN GARDEN)	= 13.431 ACRES (5.438 HECT.)	VISITORS CIRCULATION PATHWAY WITH 2M WIDE WALKWAY ON BOTH SIDES	= 3768M x 7.75M (2.918 Hect.) = 29186.50 SQ. MT.
		JAWAHAR UDYAN POND	= 1107M x 5M (0.553 Hect.) = 5535 SQ. MT.
		WATER BODY AREA (INSIDE ZOO)	= 14.84 ACRES (5.92 HECT.)
		TOTAL AREA OF THE ABOVE INSIDE ZOO	= 45.857 ACRES (18.588 HECT.)
		GREEN AREA (ZOO)	= 26.033 ACRES (10.432 HECT.)
		GREEN AREA % (ZOO)	= 59.016%
		PROPOSED BOUNDARY WALL (SM. HIGH)	= 2703M x 3M (0.810 Hect.) = 810 SQ. MT.



MASTER LAYOUT PLAN

DETAILS REGARDING ANIMALS & THEIR ENCLOSURES			
SL. No.	ENCLOSURE No.	TYPE OF ANIMALS & SPECIES	AREA OF ENCLOSURES (IN SQ. MT.)
<b>A - MONKEY</b>			
01	01	MACAQUE BONNET	1124
02	02	MACAQUE REDISH	1124
03	03	LION TAILED MACAQUE	1124
04	04	COMMON LANGUR	1124
05	05	MACAQUE REDISH	1124
06	06	MANDRILL MONKEY (Exotic African)	1124
TOTAL AREA OF ENCLOSURES ( 01 TO 06 )			= 6744
<b>B - CARNIVOROUS ANIMALS</b>			
07	07	ASIAN LION ( 2 NOS.)	4479.2
08	08	ROYAL BENGAL TIGER ( 2 NOS.)	4479.2
09	09	WHITE TIGER ( 2 NOS.)	4479.2
10	10	LEOPARD	616.4
11	11	STRIPED HYENA	612
12	12	JACAL	612
13	13	WOLF	612
14	14	SMALL PALM CIVET	27
15	15	MANGOOSE	27
16	16	AFRICAN LION ( Exotic African )	1059.0
TOTAL AREA OF ENCLOSURES ( 07 TO 16 )			= 18951.80
<b>C - COMMONVOROUS ANIMALS</b>			
17	17	HIMALAYAN BLACK BEAR	1218
18	18	SLOTH BEAR	1218
TOTAL AREA OF ENCLOSURES ( 16 TO 17 )			= 2436
<b>D - REPTILES</b>			
19	19	GHADIAL	400
20	20	WASH CROCODILE	400
21	21	INDIAN ROCK PYTHON	80
22	22	RETICULATED PYTHON	80
23	23	INDIAN STAR TORTOISE	80
24	24	TURTLE FRESH WATER/INDO SOFT SHELL	80
25	25	TURTLE HINDYAN BLACK	80
26	26	TURTLE GAYES	80
27	27	PYTHON ANACORDIA ( Exotic Bred )	80
TOTAL AREA OF ENCLOSURES ( 19 TO 27 )			= 1360

DETAILS REGARDING ANIMALS & THEIR ENCLOSURES			
SL. No.	ENCLOSURE No.	TYPE OF ANIMALS & SPECIES	AREA OF ENCLOSURES (IN SQ. MT.)
<b>E - HERBIVOROUS ANIMALS</b>			
28	28	SPOTTED DEER	6600
29	29	SANGHAI DEER	1724
30	30	SAMBAR	3420
31	31	BLACK BUCK	3420
32	32	BARKING DEER	2250
33	33	HOG DEER	1724
34	34	BLUE BULL	1724
35	35	ANTelope FOUR HORNED	2148
36	36	DEER SWAMP	2148
37	37	PORCUPINE BENGAL	300
38	38	PORCUPINE INDIAN	300
39	39	ZEBRA ( Exotic African )	1924
40	40	GIROVIE ( Exotic African )	2250
41	41	ISLAND CAPE ELAND ( Exotic African )	2200
42	42	GNU ( WILD BEEST ) ( Exotic African )	2200
43	43	DEER SPIKA ( Exotic Japanese )	1800
TOTAL AREA OF ENCLOSURES ( 28 TO 43 )			= 36456
<b>F - AQUATIC BIRDS</b>			
44	44	STORK PAINTED	300
45	45	DOMICILE CRANE	300
46	46	HERON NIGHT	300
47	47	PHOEN GRAY	300
48	48	WHITE IBI	300
49	49	INDIAN STORK	300
50	50	PELICAN GREY	300
51	51	ROSY PELICAN	300
52	52	BLACK NECKED STORK	300
TOTAL AREA OF ENCLOSURES ( 44 TO 52 )			= 2700

DETAILS REGARDING ANIMALS & THEIR ENCLOSURES			
SL. No.	ENCLOSURE No.	TYPE OF ANIMALS & SPECIES	AREA OF ENCLOSURES (IN SQ. MT.)
<b>G - BIRDS</b>			
53	53	PEA FOWL ( NORMAL )	160
54	54	PEA FOWL ( WHITE )	160
55	55	PARAKEET ALEXANDER	80
56	56	PARAKEET ROSE HORNED	80
57	57	MUNA	80
58	58	OWLET FOREST SPOTTED	80
59	59	GREAT HORNED OWL	80
60	60	PARAKEET AFRICAN GREY ( Exotic African )	80
61	61	LOVE BIRD ( Exotic African )	80
62	62	OSTRICH ( Exotic Australian )	630
63	63	EMU ( Exotic Southern Eastern Australia )	630
64	64	COCKATIEL ( Exotic Australia Welland )	80
65	65	BUNDOUSANT ( Exotic Japanese )	80
66	66	PHASANT GOLDEN ( Exotic China )	80
67	67	PHASANT SILVER ( Exotic China )	80
TOTAL AREA OF ENCLOSURES ( 52 TO 66 )			= 2620
68	68	NON DISPLAY AREA FOR RESCUED ANIMALS	4000
GROSS TOTAL AREA OF ENCLOSURES			= 66.448 TO SQ. MT. ( 16.419 ACRES )
			= 6.644 HECT.

NOTE: - ALL THE DIMENSIONS ARE IN MTRS.  
- COORDINATES & LEVELS SHOWN REFERS TO BSP REF. POINTS.

**INDEX :- COLOUR CODE LEGEND FOR ANIMAL ENCLOSURES AS PER C.Z.A. NORMS.**

- (Black) Existing Animal Enclosures
- (Green) Modified (New) Animal Enclosures
- (Red) Enclosures Re-done after demolishing the old structure

**INDEX :- SERVICES**

- Water Supply Lines
- Fire Fighting Points
- Electrical Light Poles Around Internal Pathways and Roads
- Visitors Circulation Pathway - ZOO Area
- Service Road & Intermediate Service Roads for Animal Enclosures

**INDEX :- BOUNDARY WALL & CHAIN LINK FENCING**

- Existing Boundary wall of Maitri Baag Garden Area
- Existing Boundary wall of ZOO AREA
- Proposed new Boundary wall for ZOO AREA
- Proposed Chain Link Fencing in M.S. Frame work

**INDEX :-**

- ROAD
- LIQUID WASTE DISPOSAL & DRAIN NALA
- DRINKING WATER LINE
- SWAMP WITH TALL REEDS
- TALL GRASS
- TREE PLANTATION
- LAWN
- TREES, LAWN & GARDEN
- BUILDINGS, WALL, SHEDS, CULVERTS ETC.

**INDEX :- ZOO CAGE & ANIMAL FENCING**

- WATER BODY, POND
- ELECTRIC POLE
- LIGHT POST
- HIGH MAST TOWER
- CONTOUR @ 1 MTR
- SPOT LIGHT TREE
- TOY TRAIN RAIL TRACK

**TOWN ARCHITECT PLANNING**  
TOWN SERVICES DEPTT. BHILAI STEEL PLANT

**SECTION: TAP(ARCH)**  
**DESIGNED: MUKUL JAGDEV**  
**DRAWN: Uma S. Rao**  
**CHECKED:**  
**RECOMM.:**

**MAITRI BAAG ZOOLOGICAL PARK**  
**AT MARODA, BHILAI TOWNSHIP**  
**(BHILAI STEEL PLANT)**

**DRG.NO. - TAP/TL-435/13**  
**SCALE - 1:2000**

**SH-01,OF-01**  
**DATE: 21-03-13**

**MUKUL JAGDEV**  
मुकुल जगदेव  
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**Dr. G. K. Dubey**  
AGM (Maitri Baag Zoo)  
Bhilai Steel Plant

**05/05/2014**

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