

The drawings of the Raptor Aviary to be constructed at the Thrissur Zoological Park, Puthur, Kerala were approved by the 84th Meeting of the Expert Group on Zoo Designing of the Central Zoo Authority held on 07.05.2019.



THRISSUR ZOOLOGICAL PARK
Wildlife Conservation & Research Centre, Puthur

DPR - STAGE 3:
DRAWINGS FOR STATUTORY APPROVAL

TENDER MODULE:
RAPTOR AVIARY

DRAWING TITLE:
EXHIBIT PLAN

DRAWING NO: DPR/S3/RA/02 DATE: 20.12.2018 REVISION:

SCALE:
1:400 (A3)

LEGEND:
135 EXISTING CONTOUR LEVEL
+128 PROPOSED LEVEL
PROPOSED LOW PLANTING
PROPOSED PLANTING
EXISTING BAMBOO
PROPOSED ROCK
EXISTING ROCK
AVIARY MESH
TWL +127 TOP OF WATER
SECTION NAME

COLLECTION PLAN:

	MALE	FEMALE	U.S	TOTAL
BRAHMINY KITE	0	0	5	5
BLACK KITE	2	2	1	5

AREA STATEMENT:
RAPTOR AVIARY EXHIBIT 1352 Sq.m
KRAAL (OFF EXHIBIT HOLDING AREAS) 147 Sq.m

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PROJECT BY:
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Chief Conservator of Forests
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RAPTOR AVIARY	
EXHIBIT AREA	1352 SQ.M.
FRONT, SIDE, REAR AND OVERHEAD BARRIER	ENCLOSURE SHALL BE MINIMUM OF 8M HEIGHT AT ALL POINTS. STAINLESS STEEL MESH WITH CABLES AND FERRULES (CARL STAHL MAKE OR EQUIVALENT) OR STAINLESS STEEL MESH NETTING (CARLOS MESH MAKE OR EQUIVALENT) SUSPENDED ON A FRAMEWORK OF STEEL COLUMN MASTS, CABLES AND GUY WIRES.
AVIARY MESH FIXING DETAILS	STAINLESS STEEL HAND-WOVEN AVIARY MESH IN BLACK OXIDE FINISH ON AVIARY STEEL & CABLE STRUCTURE. THE MESH SHALL HAVE 1/16INCH GAUGE AND AN APPROX. BREAKING STRENGTH OF 217 KGS. THE MESH OPENING SIZE SHALL BE 2.5CM X 2.5CM WITH APPROX. DISTRIBUTED MAXIMUM LOAD CAPACITY OF 16934 KG/M2 AND APPROX. SELF-WEIGHT OF 0.90KG/M2.
ENRICHMENT FEATURES	DEAD TREE LOGS, SWINGS AND TREATED TEAK TREES FOR BIRD PERCHING, SHALLOW POOL ETC. ARTIFICIAL/NATURAL BOULDERS
OFF EXHIBIT HOLDING AREAS	
TOTAL AREA	147 SQ.M.
HOLDING PEN	6 NUMBERS, EACH OF MIN. SIZE 2.5M X 3.1M X 3.6M HEIGHT
ACCESS	THE CUBICLE SHALL BE DIRECTLY CONNECTED TO THE EXHIBIT THROUGH GUILLIOTINE DOORS



9 M COLUMN MAST
GUY CABLE
FRONT, SIDE, REAR & OVERHEAD BARRIER
MESH: STAINLESS STEEL HAND-WOVEN AVIARY MESH IN BLACK OXIDE FINISH UP AVIARY STEEL & CABLE STRUCTURE. THE MESH SHALL HAVE 1/16INCH GAUGE AND AN APPROX. BREAKING STRENGTH OF 217 KGS. THE MESH OPENING SIZE SHALL BE 2.5CM X 2.5CM WITH APPROX. DISTRIBUTED MAXIMUM LOAD CAPACITY OF 16934 KG/M2 AND APPROX. SELF-WEIGHT OF 0.90KG/M2.

SHALLOW POOL AREA: 54.81 SQ.M
DEPTH: 50CM
SHALLOW POOL TWL: +127
EXISTING BOULDERS
PROPOSED BOULDERS
FLYING PATH
ARTIFICIAL/NATURAL DEAD TREES
20M TREE PLANTING BELT

9 M COLUMN MAST
GUY CABLE
FRONT, SIDE, REAR & OVERHEAD BARRIER
MESH: STAINLESS STEEL HAND-WOVEN AVIARY MESH IN BLACK OXIDE FINISH UP AVIARY STEEL & CABLE STRUCTURE. THE MESH SHALL HAVE 1/16INCH GAUGE AND AN APPROX. BREAKING STRENGTH OF 217 KGS. THE MESH OPENING SIZE SHALL BE 2.5CM X 2.5CM WITH APPROX. DISTRIBUTED MAXIMUM LOAD CAPACITY OF 16934 KG/M2 AND APPROX. SELF-WEIGHT OF 0.90KG/M2.

COLLECTION PLAN as per CZA approved Master Plan of THRISSUR ZOOLOGICAL PARK dated 28.08.2012
List of CZA publications referred to for Exhibit and Barrier Standards

ITEM	PUBLICATION NAME	PAGE NO.
Exhibit Area Standards	1. Guidelines on Minimum Dimensions of Enclosures for Housing Exotic Animals of Different Species 2012	7
Barrier Design	2. Designing of Enclosures for Indian Zoos 2014	68
Kraal details	1. Designing of Enclosures for Indian Zoos 2014	68

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