

Computation of Forest Area Required for Various Facilities in ERRC, Kottoor			
SL NO	FACILITY	Area Required in Sq. M	REMARKS
			Actually the forest land required is to be given. Land for the building plus the land for court yard may be included.
1	ENTRANCE PLAZA	858.070516	
2	ADMIN BLOCK	987.6656361	Do
3	R& T CENTRE	1862.876383	Do
4	ELEPHANT MUSEUM	3411.456729	Do
5	VETERINARY CLINIC	874.5261898	Do
6	STAFF QUARTERS A	695.6505216	Do
7	STAFF QUARTERS B	977.894289	Do
8	OFFICERS QUARTERS	670.3031595	Do
9	MAHOUT BACHELOR ACCOMODATION	1008.961921	Do
10	MAHOUT FAMILY ACCOMODATION	2202.857371	Land required for four units may be calculated
11	LADIES HOSTEL	596.3522541	Do
12	MENS HOSTEL	1051.179392	Do
13	CAFETERIA	375.7279895	Do
14	COTTAGE RENOVATION VISITORS	0	Existing Buildings. Area need not be computed.
15	COTTAGE RENOVATION MAHOUT	0	Do
16	COMMUNITY HALL RENOVATION	0	Do
17	INTERPRETATION CENTRE RENOVATION	0	Do
18	CANTEEN RENOVATION	0	Do
			Actually the forest land required is to be given. Land for the building plus the land for court yard may be included.
19	DINING BLOCK	478.9460488	
20	TOILET BLOCK	359.3361328	Do
21	MAIN GATE	2.109935799	Do
22	DRIVERS AMENITY	54.98961566	Do
23	HMV PARKING	105.365505	Do
24	LMV PARKING	33.75897278	Do
25	OFFICERS PARKING	61.67576777	Do
26	PARKING 1	2908.898154	Do
27	PARKING 2	1127.812261	Do
28	ELEPHANT KITCHEN AND STORE	1379.335363	Do
29	VIEWING DECK	12.1532302	Do
30	SUBSTATION	165.0251119	Do
31	RETAINING WALL	105.4967899	Area of the foundation may be given

32	CULVERT	416.3606643	
33	CHAIN LINK FENCING	675.1794556	Total length multiplied by the width of foundation may be calculated.
34	FILLING OF EXISTING TRENCH	0	
35	ROAD TYPE A	0	Existing Road
36	ROAD TYPE B	2053.670844	paved, total area may be computed.
37	MATERIAL COLLECTION FACILITY	87.02312983	Actually the forest land required is to be given. Land for the building plus the land for court yard may be
38	COMPOUND WALL	131.2848941	Length of the compound wall multiplied by the width of foudation may be given
39	SUMP 1	82.52193346	Actual land area occupied may be given
40	SUMP 2	105.9656646	Do
41	OVERHEAD WATER TANK	33.75897278	Do
42	PUMP HOUSE	5.626495463	Do
43	ETP	82.52193346	Area of the treatment plant
44	POND 1	2897.645164	Arae covered by maximum water level may be given
45	OPEN EXIHIBITION	1312.848941	the building plus the land for court yard may be included.
46	POND 2	11252.99093	Area covered by maximum water level may be given
47	WATER SUPPLY	3207.102414	Area covered by the trench for laying external pipes
48	SEWAGE LINE	464.1858757	Do
49	CREMATORIUM	1157.182567	Actually the forest land required is to be given. Land for the building plus the land for court yard may be included.
50	DUNG RECYCLING UNIT	937.7492439	DO
51	Fodder storage shed	49.70070993	Do
52	Mahout night shelter	223.18432	Do for four units
53	Road Type C	9900	Actual length of the road multiplied by 4 meters.
53a.	Road to elephant enclosures.	3600	Actual length of the road multiplied by 3 meters.
54	Elephant Enclosure	0	Existing
55	Elephant Enclosure-2	0	Existing
56	Hand Rearing Centre	1462.88882	Actually the forest land required is to be given. Land for the building plus the land for court yard may be included.
57	Elephant Enclosure 3	849.6008149	Length of enclosure fencing multiplied by 1.4 (Width)+ area of pond+ area of tethering shed
58	Elephant Enclosure 4	839.2855733	Do
59	Elephant Enclosure 5	1238.766751	Do
60	Elephant Enclosure 6	783.0206186	Do
61	Elephant Enclosure 7	949.939984	Do
62	Elephant Enclosure 8	980.8857091	Do
63	Elephant Enclosure 9	1012.769183	Do

64	Elephant Enclosure 10	971.5082166	Do
65	Elephant Enclosure 11	986.5122046	Do
66	Elephant Enclosure 12	714.5649238	Do
67	Elephant Enclosure 13	755.4507909	Do
68	Elephant Enclosure 14	838.347824	Do
69	Elephant Enclosure 15	808.3398482	Do
70	Elephant Enclosure 16	896.4882771	Do
71	Elephant Enclosure 17	813.0285944	Do
72	Elephant Enclosure 18	825.2193346	Do
73	Elephant Enclosure 19	784.8961171	Do
74	Elephant Enclosure 20	939.6247424	Do
75	Elephant Enclosure 21	806.4643497	Do
76	Elephant Enclosure 22	943.3757393	Do
77	Elephant Enclosure 23	775.5186247	Do
78	Elephant Enclosure 24	682.6814495	Do
79	Kraal Type 1	270.0717822	Actual area of forest land x 2
80	Kraal Type 2	264.4452868	Actual area of forest land x1
81	Biogas plant	186.6120995	Actual area of forest land
82	Material collection facility	87.21067968	Do
83	Composting Unit	28.13247732	Do
84	Electrification	2252.473684	Length of trenching for laying cable x width of the trench
85	Trench renovation (Enclosure 1 & 2)	1406.623866	Area of earth cutting
86	Watch Tower	140.6623866	Actual forest area required
	Total	85495.51015	

