

## SITE INSPECTION REPORT

Sr. No.	Items
1.	<p>Name of the Project and location : Diversion of 0.6025 Ha. Reserved Forest area for Service Road from Kolshet to Bhaindarpada in Thana Municipal Corporation – Maharashtra.</p> <p>Location i) Division : Sanjay Gandhi National Park</p> <p>ii) Range : Yeur</p> <p>iii) Round : Yeur &amp; Chena</p> <p>iv) S.No. : Kolshet S.No. 291pt, Kavesar S.No. 291pt &amp; 292pt, Bhaindarpada S.No.16 (Old S.No.289)</p>
2.	Name of the User Agency : Thane Municipal Corporation
3.	Date of site inspection : 28.08.2021
4.	Extent (ha) and legal status of forest land proposed for diversion : 0.6025 ha. (Reserved Forest & Finally Acquired Forest)
5.	<p>a) Details of forest land proposed for diversion and activity-wise break-up of forest land : As per list attached on page No.15 to 18.</p> <p>b) Density of the forest : 0.2 to 0.3</p>
6.	Whether the requirement of forest land as proposed by the user Agency in col.2 of Part-I is unavoidable and barest minimum for the project. If no, recommended area item-wise with details of alternative examined : Yes
7.	Whether the proposal involves any construction of building (including residential) or not? If yes, details thereof : The proposal involves the diversion of forest area for road (service road) construction.
8.	<p>a. Whether forest area proposed for diversion is important from wildlife point of view or not : Yes. The present proposal falls within the Sanjay Gandhi National Park (SGNP), Borivali, Mumbai.</p>



- b. Details of any rare or endangered or unique species of flora and fauna found in proposed forest land. If so, the details thereof.

The floral & faunal species of conservation importance in the area of Sanjay Gandhi National Park Division are Sita Asoka (*Saraca indica*), Teak (*Tectona grandis*), Ain (*Terminalia tomentosa*), Khair (*Acacia catechu*), Hed (*Adina cordifolia*), Beheda (*Terminalia bellerica*), Shisam (*Dalbergia latifolia*), Savar (*Bombax ceiba*), Kalamb (*Mitragyna parviflora*), Palas (*Butea monosperma*), Jamun (*Syzygium cumini*), Umber (*Ficus racemosa*), Amla (*Embllica officinalis*), Kahandol (*Streculia urens*) and Karvi (*Strobilanthes callosus*), etc.

Faunal species in SGNP include Leopard (*Panthera pardus*), Jackal (*Canis aureus*), Striped Hyaena (*Hyaena hyaena*), Jungle Cat (*Felis chaus*), Rusty Spotted Cat (*Prionailurus rubiginosus*), Indian Grey Mongoose (*Herpestes edwardsii*), Small Indian Civet (*Viverricula indica*), Wild Boar (*Sus scrofa*), Mouse Deer (*Moschiola meminna*), Spotted Deer (*Axis axis*), Barking Deer (*Muntiacus muntjak*), Sambar (*Rusa unicolor*), Langur (*Semnopithecus entellus*), Black Naped Hare (*Lepus nigricollis*), Porcupine (*Hystrix indica*), etc. with birds like Peafowl (*Pavo cristata*), Pariah Kite (*Milvus migrans*), Grey Hornbill (*Ocyrceros birostris*), Purple Heron (*Hardea purpurea*), Common Kingfisher (*Alcedo atthis*), Asian Koel (*Eudynamys scolopaceus*), Spotted Owl (*Strix occidentalis*), Common Wood Shrike (*Tephrodornis pondicerianus*), Red whiskered Bulbul (*Pycnonotus jocosus*), etc. Insects include numerous butterflies and moths, etc. The reptile species found in this tract are Crocodile (*Crocodylus palustris*), Common Garden Lizard (*Calotes versicolor*), Indian Chameleon (*Chamaeleo zeylanicus*), Monitor Lizard (*Varanus bengalensis*), Dhaman (*Ptyas mucosa*), Indian Cobra (*Naja naja*), Indian Krait (*Bungarus caeruleus*), Rock Python (*Python molurus*), etc.



All efforts for conservation and protection of these species are practiced, strict protection by continuous patrolling is enforced in protected area and areas under the administrative control of the SGNP Division.

- c. Aerial distance from the nearest boundary of any Protected Area (km) : The present proposal falls within the Sanjay Gandhi National Park (SGNP), Borivali, Mumbai.
- d. Remarks about sensitivity of the forest area likely to be affected due to project. : The present proposal involves the construction of service road. As the road construction involves the cutting and filling, it may create soil erosion in the adjoining forest area. Hence, the project authorities need to take up necessary Engineering and vegetative measures to control soil erosion from adjoining forest areas.
- e. Whether wildlife mitigation plan is required? If, yes, reason therefore : Yes, the wildlife mitigation plan is required. The present proposal involves the diversion of four small pieces of notified forest area of the Sanjay Gandhi National Park (SGNP), Borivali. One Box culvert (3mx4m) near Bhayanderpada need to be constructed for free movement of wildlife from SGNP towards north into Nagla block and further to Tungareshwar wildlife sanctuary (TWLS). In addition the construction of boundary wall and guide walls around the project area are also necessary to reduce wildlife accidents.

#### 9. Details of vegetation

- a. Total number of trees to be felled: : 267
- b. Number of trees to be felled of girth below 60 cm: : 198
- c. Number of trees to be felled of girth above 60 cm: : 69
- d. Effect of removal of trees on the general ecosystem in the area : The removal of trees will have negative effect on the local ecosystem. But these negative effects will be compensated through



Compensatory afforestation as per the existing norms of Government of India.

10. Background note on the proposal (short summary) : The Project is situated in the centre place in Mumbai Metropolitan Region having common boundaries of Mumbai, Navi Mumbai, Kalyan-Dombivali and Mira-Bhayander Municipal Corporations. Five major arterial roads passes through Thane city to commute from Mumbai, JNPT, Gujarat and Nashik. Ghodbunder road is one of the busiest arterial road connecting Eastern Express Highway, Nashik Bypass connecting to NH-4 and Ahmedabad Highway (NH-8). Regional traffic from BPT and JNPT passes through Ghodbunder road to NH-8 for Gujarat area. Thane's 40 sq km of Urban area in connection with Ghodbunder road is 7 lakhs. So, now due to the increased traffic on this road, regular traffic jams and increase in pollution due to these traffic jams; it has become explicitly necessary to connect service roads at these places for ease of traffic, to reduce traffic congestion, to reduce pollution and risk of accidents.
11. Whether the proposal involves any violation of the Forest (Conservation) Act 1980? If yes, a detailed report on violation including action taken against the concerned officials to be attached : No
12. Whether the proposal involves rehabilitation of displaced person. If yes, whether rehabilitation plan has been approved by the State Government? : No
13. Details on catchments and cultivable command area under the project (if applicable) : NA
- Status of catchments area treatment plan to prevent siltation of reservoir : NA



(if applicable)

14. Utility of the Project

The forest area is required for construction of Service Road from Kolshet to Bhayandarpada along the left side of existing highway from Thane to Ghodbunder. This road is an important road that connects Thane city with the Mumbai-Ahmedabad National Highway. This Project involves the expansion of existing road for smooth traffic movement.

15. Whether land being diverted has any socio-cultural / religious values? Whether any sacred grove or very old growth trees/forests exist in the areas proposed for diversion : No

16. Any other important information related to the project (Separate note may be attached, if required) : The brief details of the said proposal are given below:

1). The proposal for diversion of forest area (0.8072 Ha) that is part of notified area of the Sanjay Gandhi National Park (SGNP), Borivali was submitted under the Forest (Conservation) Act 1980 by the Thane Municipal Corporation (TMC) in the year 2016. Later, the Project Agency (TMC) has re-submitted the proposal in 2017 for an area of 0.6101 Ha areas. Then again the Project Agency has now re-submitted this proposal under the Forest (Conservation) Act 1980 for an area of 0.6025 Ha from SGNP (after excluding 0.2047 Ha area from the original proposal based on the order of Principal Secretary (Forests) dated 12.04.1993).

2). In addition to above forest area, the proposal also includes 5.3708 Ha of non-forest area on which the Project Agency has already completed the road widening works from 2012 to 2016.

17. Details of documents and photographs enclosed : --

18. Recommendations of the Inspecting Officer (CCF/CF/DCF) : Considering the public utility of project for connectivity, the proposed project is recommended subject to compliances of the



following conditions:

- 1). Depositing of 2% the project cost by the project agency for protection and conservation of the Sanjay Gandhi National Park (SGNP).
- 2). Getting prior permission of the State Board of wildlife (SBWL) and National Board of wildlife (NBWL) before commencement of the work in the proposed project area.
- 3). Getting prior permission of monitoring committee of ESZ of Sanjay Gandhi National Park (SGNP) before commencement of the road works in the project area.
- 3). Construction of cement concrete wall with barbed wire fencing on top of it along the boundary of the Sanjay Gandhi National Park in the patches of diverted forest area .
- 4). Conversion of all culverts in the Project into a Box-type culverts (3mX4m) so as to allow free movement of wildlife like Leopard, etc.
- 5). Construction of four Type-II quarter buildings for field staff of SGNP as per the design provided by the SGNP Authorities on Survey No. 291 adjacent to proposed road.
- 6). Installation of four big bill boards (Hoardings) of size (4 metres length x 3 metres width x 5 metres height) near the diverted forest land along the road and hand it over to SGNP authorities for displaying wildlife related education contents/alert messages.



(G. Mallikarjuna)

Conservator of Forests & Director

Sanjay Gandhi National Park, Borivali

Date : 28.08.201

Borivali



# PROPOSAL UNDER FOREST CONSERVATION ACT 1980

## AREA LETTER

- 1) Purpose of Forest Area DIVERSION OF 0.9984 HA. RESERVED FOREST, PROTECTED FOREST AND PRIVATE FOREST AREA FOR Service Road.
- 2) Extent of Forest Area As below
- 3) Village of Area in Propose Area Reserved Forest/Protected Forest/Private Forest
- 4) Status of area in Propose Area

Sr. No	Item wise work purpose	Name of Village	Forest Land					Legal Status of Land	Existing Road (Non Forest Land)				Total Area in Ha	
			Com. No	Sy. No.	Gut No.	Length in Mtr.	Width in Mtr.		Area in Ha.	Sy. No.	Length in Mtr.	Width in Mtr.		Area in Ha.
1	Proposed Service Road	Kolshet		291 Pt.		65.00	10.00	00-06-50	R. F.	291 Pt.Disforest	327.44	9.00	00-29-47	00-35-97
										291 Pt.Disforest	6.66	9.00	00-00-60	00-00-60
										291 Pt.Disforest	88.00	9.00	00-07-92	00-07-92
										291 Pt.Disforest	206.00	9.00	00-18-54	00-18-54
										107 Disforest	248.55	9.00	00-22-37	00-22-37
										106	13.88	9.00	00-01-25	00-01-25
						TOTAL	65.00			TOTAL	890.53		00-80-15	00-86-65
Sr. No	Item wise work purpose	Name of Village	Forest Land					Legal Status of Land	Existing Road (Non Forest Land)				Total Area in Ha	
			Com. No	Sy. No.	Gut No.	Length in Mtr.	Width in Mtr.		Area in Ha.	Sy. No.	Length in Mtr.	Width in Mtr.		Area in Ha.
2	Proposed Service Road	Kavesal		291		73.00	20.00	00-14-60	R.F.	143	53.56	9.00	00-04-82	00-19-42
				292		65.00	25.00	00-16-25	R.F.	147/1	63.56	9.00	00-05-72	00-21-97
				142		126.55	9.00	00-11-39	PRIVAE FOREST	148	99.78	9.00	00-08-98	00-20-37
				158		313.33	9.00	00-28-20	PRIVAE FOREST	157	112.11	9.00	00-10-09	00-38-29
										159	42.44	9.00	00-03-82	00-03-82
										161	133.56	9.00	00-12-02	00-12-02
										162	57.44	9.00	00-05-17	00-05-17
										163	247.22	9.00	00-22-25	00-22-25
										ODHA	25.78	9.00	00-02-32	00-02-32







Sr. No	Item wise work purpose	Name of Village	Com. No	Forest Land				Legal Status of Land	Existing Road (Non Forest Land)				Total Area in Ha
				Sy. No.	Gut No.	Length in Mtr.	Width in Mtr.		Sy. No.	Length in Mtr.	Width in Mtr.	Area in Ha.	
									18	62.33	9.00	00-05-61	00-05-61
									17	94.33	9.00	00-08-49	00-08-49
									8	42.33	9.00	00-03-81	00-03-81
									10	79.22	9.00	00-07-13	00-07-13
									9	98.78	9.00	00-08-89	00-08-89
									TOTAL	1347.76		01-21-30	01-21-30
5	Proposed Service Road	Bhaindarpada		Forest Land				Finally Aquired	Existing Road (Non Forest Land)				Total Area in Ha
				Com. No	Sy. No.	Length in Mtr.	Width in Mtr.		Sy. No.	Length in Mtr.	Width in Mtr.	Area in Ha.	
					New 16	99.56	23.00		97	74.89	9.00	00-06-74	00-29-64
					Old 289				98	215.78	9.00	00-19-42	00-19-42
									100	133.33	9.00	00-12-00	00-12-00
									101	82.78	9.00	00-07-45	00-07-45
									109	283.56	9.00	00-25-52	00-25-52
									104	93.11	9.00	00-08-38	00-08-38
									48	102.00	9.00	00-09-18	00-09-18
									51	53.11	9.00	00-04-78	00-04-78
									52	97.56	9.00	00-08-78	00-08-78
									Unknown	26.56	9.00	00-02-39	00-02-39
									53	34.56	9.00	00-03-11	00-03-11
									54	68.33	9.00	00-06-15	00-06-15
									34	25.67	9.00	00-02-31	00-02-31
									Unknown	22.44	9.00	00-02-02	00-02-02
									55	79.22	9.00	00-07-13	00-07-13
									28	122.89	9.00	00-11-06	00-11-06



