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# **SITE INSPECTION REPORT**

Sr. No.	Items		Observation and remarks
1.	Name of the Project and location (Range, Round, Beat)		: Diversion of 22.9648 ha. Forest land for construction of underground Petroleum products pipeline with OFC and its associated facilities from Mahul (Mumbai Suburban District) to Rasayani (Raigad District) in Maharashtra State.
	Location i)	Division	: Alibag Forest Division.
	ii)	Range	: Uran and Panvel
	iii)	Round	Uran, Jasai, Panvel
	iv)	S.No.	: As per area statement attached on Page No. 78 to 80
2.	Name of the User Agency		: Shri. Krishna Kumar Damde, Authorised signatory of Bharat Petroleum Corporation Ltd.
3.	Date of site inspection		: 05/02/2020.
4.	Extent (ha) and legal status of forest land proposed for diversion		: 15.3616 Ha. Reserved Forest, Mangrove Forest land, Unclass forests and Private forest land in Alibag Forest Division.
5.	a) Details of forest land proposed for diversion and activity-wise break-up of forest land		: Detailed area statement attached on Pg. No. 4 to 12
	b) Density of the forest		: The density is 0.4
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. Required forestland is barest minimum and unavoidable.
7.	Whether the proposal involves any construction of building (including residential) or not? If yes, details thereof		: No.
8.	a.	Whether forest area proposed for diversion is important form	: No.

	wildlife point of view or not		
	b. Details of any rare or endangered or unique species of flora and fauna found in proposed forest land. If so, the details thereof.	:	Nil.
	c. Aerial distance from the nearest boundary of any Protected Area (km)	:	The Project area is about 1.89 k.m. from Karnala Bird Sanctuary and this project area does not falls in Eco-Sensitive Zone of Karnala Bird Sanctuary
	d. Remarks about sensitivity of the forest area likely to be affected due to project.	:	There is no adverse effect on the wildlife and birds in the sanctuary or Eco-Sensitive Zone.
	e. Whether wildlife mitigation plan is required? If, yes, reason therefore	:	No.
9.	Details of vegetation		
	a. Total number of trees to be felled:	:	11677
	b. Number of trees to be felled of girth below 60 cm:	:	11178
	c. Number of trees to be felled of girth above 60 cm:	:	499
	d. Effect of removal of trees on the general ecosystem in the area	:	Nil.
10.	Background note on the proposal (short summary)	:	Project summary attached on Page No. 77
11.	Whether the proposal involves any violation of Forest (Conservation) Act 1980? If yes, a detailed report on violation including action taken against the concerned officials to be attached	:	No violation notice.
12.	Whether the proposal involves rehabilitation of displaced person. If yes, whether rehabilitation plan has been approved by the State Government?	:	No.



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13.	Details on catchments and cultivable command area under the project (if applicable)	: Nil
	Status of catchments area treatment plan to prevent siltation of reservoir (if applicable)	: Nil
14.	Utility of the Project	: Diversion of 22.9648 ha. (Alibag Div. area 15.1636 Ha. & Mumbai Mangrove Cell area 7.8212 Ha.) of forest land for construction of underground Petroleum Product pipelines with OFC and its associated facilities by BPCL from Mahul (Mumbai Suburban District) to Rasayani in Maharashtra State. The Proposed pipeline is for public utility
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)	: No.
17.	Details of documents and photographs enclosed:	: Photographs enclosed on Page No.
18.	Recommendations of the Inspecting Officer (CCF/CF/DCF)	: This proposal is for construction underground Petroleum product pipelines with OFC and its associated facilities by BPCL from Mahul (Mumbai Suburban District) to Rasayani (Raigad District) in Maharashtra State. This project is infrastructure development and public utility project. Project proponent is ready to bear all the Government levies hence the proposal is being recommended for approval for diverting the required forest land under Forest (Conservation) Act, 1980.

Date : 06/02/2020.  
Place : Alibag

(Maneesh Kumar)  
Deputy Conservator of Forests  
Alibag

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### Site Inspection Note

The under signed has inspected the proposed site on 05/02/2020. Randomly the points at Wahal creek, Ulwe, sonkhar, Bambani and paragon were checked, all of these were mangrove forest. Thereafter from D-point, where the width of alignment gets reduced to 24 metres, track was inspected along Nandgaon, Turmale finally, reaching to shirdhone. Beyond that point the proposed alignment was to move across the hills through tunneling and reaching to BPCL plant at Rasayani. The proposed diversion of 22.9648 ha. Reserved Forest land, Mangrove forest, Unclass forest and Private Forest land is for construction of underground Petroleum Product Pipeline with OFC and its associated facilities by BPCL from Mahul (Mumbai Suburban District) to Rasayani (District) in Maharashtra State. Out of total proposed forest land 22.9648 ha., the area 15.1636 ha. is of Alibag Forest division and remaining 7.8012 ha. is of Mumbai Mangrove Cell Unit.

No work has been started, hence violation of the Forest (Conservation) Act, 1980 and guidelines under it is not noticed. The forest area proposed for this project is unavoidable. The cutting of trees, including mangrove trees are required in this proposal.

Date : 06/02/2020.

Place : Alibag

(Maneesh Kumar)  
Deputy Conservator of Forests,  
Alibag.



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## PROJECT NOTE

Shri. Krishna Kumar Damde, authorized signatory of Bharat Petroleum Limited has submitted a proposal for diversion of 22.9648 Ha. and Mangrove forest land for construction of underground Petroleum Product Pipeline with OFC and its associated facilities by BPCL from Mahul (Mumbai Suburban District) to Rasayani in Maharashtra State. Out of total forest land 22.9648 ha. the area of 15.1636 ha. is of Alibag Forest division and remaining area of 7.8012 ha. is of Mumbai Mangrove Cell Unit.

There is no alternate alignment available and the required forest area is barest minimum and unavoidable for proposed development of the Project Authority. The user agency has not started any work on proposed forest land.

This project involves 22.9648 ha. forest land. The status of land is mangrove forest land, Private Forest, Reserved forest land and unclass forest. This project is Govt. of India's undertaking company's project, therefore the compensatory afforestation is proposed on degraded forest land i.e. 46 ha. in Alibag Forest Division, District Raigad, Maharashtra State. The project authority is willing to bear the cost of compensatory afforestation and all Government levies as required by the Government.

Therefore this proposal has been recommended for diversion of 22.9648ha. forest land for non-forest purposes.

Date : 06/02/2020.

Place : Alibag

(Maneesh Kumar)  
Deputy Conservator of Forest  
Alibag

**Diversion of forest land for Construction of under Ground Petroleum Products Pipelines and associated facilities from Mahul (Mumbai Suburban District) to Rasayani (Raigad District) in Maharashtra Project Authority: M/s Bharat Petroleum Corporation Limited, 'A' Installation, Sewree Fort Road, Sewree-East, Mumbai-400015**

**Area with Boundaries in Alibag, Raigad (under DCF, Alibag)**

Sr No.	Village	Tehsil	Survey No.	Length of Pipeline in m	ROU Width in m	Area in sq. m	Area in Ha.	Legal Status	BOUNDRIES			
									NORTH	EAST	SOUTH	WEST
1	Motni Khadi	Panvel	Creek	980.77	56.00	54923.12	5.4923	Creek & Mangroves	Creek/Mangroves	10	17	Creek/Mangroves
2	Motni Khadi	Panvel	Moti Khadi	271.74	56.00	15217.44	1.5217	Creek & Mangroves	V.B. of Ulwe Village	V.B. of Ulwe Village	V.B. of Sonkhar Village	V.B. of Wahal Village
3	Ulwe	Panvel	100	219.95	56.00	8933.00	0.8933	Mangroves	V.B. of Vadghar Village	S.No. 101	S.No. 98	V.B. of Wahal Village
4	Ulwe	Panvel	98	3.15	56.00	1029.00	0.1029	Mangroves	S.No. 100	S.No. 94	Drain	V.B. of Wahal Village
5	Ulwe	Panvel	97	In ROU	56.00	953.00	0.0953	Mangroves	Drain	S.No. 94	S.No. 96	V.B. of Sonkhar Village
6	Ulwe	Panvel	95	7.64 138.91	56.00 24.00	3758.00	0.3758	Mangroves	S.No. 94	S.No. 92	Drain	S.No. 96
7	Ulwe	Panvel	51	33.12	24.00	726.00	0.0726	Acquired Private Forest	S.No. 73/4A	V.B. of Bambhavi Village	S.No. 74/6A	S.No. 74/2B
8	Sonkhar	Panvel	1/3	99.90	56.00	3448.00	0.3448	Mangroves	S.No. 98	Drain	S.No. 1/5	Moti Khadi
9	Sonkhar	Panvel	1/5	In ROU	56.00	517.00	0.0517	Mangroves	S.No. 1/3	S.No. 1/3	S.No. 1/8	S.No. 1/4
10	Sonkhar	Panvel	1/8	22.11	56.00	1020.00	0.1020	Mangroves	S.No. 1/3	Drain	S.No. 1/11	S.No. 1/4
11	Sonkhar	Panvel	1/11	5.80	56.00	1323.00	0.1323	Mangroves	S.No. 1/8	Drain	S.No. 1/20	S.No. 1/10
12	Sonkhar	Panvel	1/20	30.76	56.00	978.00	0.0978	Mangroves	S.No. 1/11	Drain	S.No. 3/2	S.No. 1/19
13	Sonkhar	Panvel	3/2	56.70	56.00	2450.00	0.2450	Mangroves	S.No. 1/20	Drain	S.No. 3/8	S.No. 3/6
14	Sonkhar	Panvel	3/8	In ROU	56.00	15.00	0.0015	Mangroves	S.No. 3/2	Drain	S.No. 3/11	V.B. of Wahal Village
15	Sonkhar	Panvel	16/1	59.41	24.00	1303.00	0.1303	Mangroves	Drain	S.No. 16/10	S.No. 16/7	S.No. 15/2
16	Sonkhar	Panvel	16/7	8.14	24.00	204.00	0.0204	Mangroves	S.No. 16/1	S.No. 16/26	S.No. 15/6	S.No. 15/4
17	Sonkhar	Panvel	16/26	27.87	24.00	633.00	0.0633	Mangroves	S.No. 16/1	S.No. 16/10	S.No. 15/11	S.No. 15/4
18	Sonkhar	Panvel	16/10	In ROU	24.00	200.00	0.0200	Mangroves	S.No. 16/1 & 16/5	S.No. 16/5	S.No. 16/11	S.No. 16/26
19	Sonkhar	Panvel	16/11	15.00	24.00	163.00	0.0163	Mangroves	S.No. 16/10	S.No. 16/12	S.No. 14	S.No. 16/26
20	Sonkhar	Panvel	16/12	63.48	24.00	1499.00	0.1499	Mangroves	S.No. 16/5	S.No. 16/13	V.B. of Wahal Village	S.No. 16/11 & 16/10

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Sr No.	Village	Tehsil	Survey No.	Length of Pipeline in m	ROU Width in m	Area in sq. m	Area in Ha.	Legal Status	BOUNDRIES			
									NORTH	EAST	SOUTH	WEST
21	Sonkhar	Panvel	16/13	In ROU	24.00	123.00	0.0123	Mangroves	S.No. 16/9	S.No. 16/25	V.B. of Wahal Village	S.No. 16/12
22	Sonkhar	Panvel	16/25	In ROU	24.00	5.00	0.0005	Mangroves	S.No. 16/16	S.No. 16/16	V.B. of Wahal Village	S.No. 16/13
23	Sonkhar	Panvel	16/16	In ROU	24.00	5.00	0.0005	Mangroves	Drain	S.No. 16/19	S.No. 16/17	S.No. 16/25
24	Sonkhar	Panvel	16/17	In ROU	24.00	221.00	0.0221	Mangroves	S.No. 16/16	S.No. 16/18	S.No. 16/23	V.B. of Wahal Village
25	Sonkhar	Panvel	16/18	In ROU	24.00	134.00	0.0134	Mangroves	S.No. 16/16	S.No. 16/20	S.No. 16/22	S.No. 16/17
26	Sonkhar	Panvel	16/23	22.80	24.00	270.00	0.0270	Mangroves	S.No. 16/17	S.No. 16/22	S.No. 16/22	V.B. of Wahal Village
27	Sonkhar	Panvel	16/22	13.75	24.00	228.00	0.0228	Mangroves	S.No. 16/20	S.No. 16/24 & 16/20	S.No. 16/20	V.B. of Wahal Village
28	Sonkhar	Panvel	16/20	19.76	24.00	429.00	0.0429	Mangroves	S.No. 16/19	S.No. 16/21	S.No. 16/22	S.No. 16/20
29	Sonkhar	Panvel	16/19	In ROU	24.00	5.00	0.0005	Mangroves	Drain	S.No. 20	S.No. 16/21	S.No. 16/16
30	Sonkhar	Panvel	16/21	6.00	24.00	327.00	0.0327	Mangroves	S.No. 16/19	S.No. 20	S.No. 16/24	S.No. 16/20
31	Sonkhar	Panvel	16/24	5.43	24.00	68.00	0.0068	Mangroves	S.No. 16/21	S.No. 20	S.No. 20	S.No. 16/22
32	Sonkhar	Panvel	15/2	In ROU	24.00	77.00	0.0077	Mangroves	S.No. 15/1	S.No. 16/1	S.No. 15/9	S.No. 15P/3 B
33	Sonkhar	Panvel	15/4	14.59	24.00	332.00	0.0332	Mangroves	S.No. 15/2	S.No. 16/7	S.No. 15/6	S.No. 15/2
34	Sonkhar	Panvel	15/6	27.85	24.00	798.00	0.0798	Mangroves	S.No. 15/4	S.No. 16/26	S.No. 15/10	S.No. 15/2
35	Sonkhar	Panvel	15/11	45.91	24.00	1013.00	0.1013	Mangroves	S.No. 15/6	S.No. 16/26	S.No. 15/19	S.No. 15/10
36	Sonkhar	Panvel	15/10	45.84	24.00	871.00	0.0871	Mangroves	S.No. 15/6	S.No. 15/11	S.No. 15/18	S.No. 15/12
37	Sonkhar	Panvel	15/12	In ROU	24.00	51.00	0.0051	Mangroves	S.No. 15/9	S.No. 15/10	S.No. 15/20	S.No. 15/17
38	Sonkhar	Panvel	15/13	5.55	24.00	245.00	0.0245	Mangroves	S.No. 15/11	S.No. 15/11	S.No. 15/18	S.No. 15/10
39	Sonkhar	Panvel	15/14	In ROU	24.00	119.00	0.0119	Mangroves	S.No. 15/11	S.No. 15/11	S.No. 15/13	S.No. 15/13
40	Sonkhar	Panvel	20/5	In ROU	24.00	31.00	0.0031	Mangroves	S.No. 20/1	S.No. 20/1	S.No. 20/9	S.No. 16/22
41	Sonkhar	Panvel	20/1	48.20	24.00	924.00	0.0924	Mangroves	Drain	S.No. 20/2	S.No. 20/12	S.No. 20/5
42	Sonkhar	Panvel	20/2	1.35	24.00	36.00	0.0036	Mangroves	Drain	Drain	S.No. 20/1	S.No. 20/1
43	Owle	Panvel	193	373.25	24.00	8991.00	0.8991	Section - 4 R.F.	S.No. 87	S.No. 75	S.No. 65	V.B. of Banbavi Village
44	Owle	Panvel	173	100.11	24.00	1916.00	0.1916	Mangroves	S.No. 172	S.No. 174	Road	S.No. 169
45	Owle	Panvel	174	42.50	24.00	1028.00	0.1028	Mangroves	Creek & Mangroves	S.No. 175	S.No. 173	S.No. 173

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Sr No.	Village	Tehsil	Survey No.	Length of Pipeline in m	ROU Width in m	Area in sq. m	Area in Ha.	Legal Status	BOUNDRIES			
									NORTH	EAST	SOUTH	WEST
46	Owle	Panvel	175	41.45	24.00	1013.00	0.1013	Mangroves	Creek & Mangroves	Creek & Mangroves	S.No. 176	S.No. 174
47	Owle	Panvel	Creek & Mangroves	62.11	24.00	1542.00	0.1542	Creek & Mangroves	Khadi	Khadi	Road	S.No. 175
48	Paragaon Dungi	Panvel	7	13.62	24.00	338.00	0.0338	Mangroves	V.B. of Pargaon Inam Village	S.No. 1	Road	Khadi
49	Karanjade	Panvel	52/4	98.16	24.00	2356.00	0.2356	Acquired Private Forest	S.No. 55	S.No. 52/7	S.No. 52/1	S.No. 52/3
50	Karanjade	Panvel	52/1	17.50	24.00	685.00	0.0685	Acquired Private Forest	S.No. 54	S.No. 52/7	S.No. 49/2	Reserved Forest
51	Sirdhon	Panvel	115	488.00	24.00	11712.00	1.1712	Unclass Forest	S.No. 114	V.B. of Sontane Village	V.B. of Kushivai Village	S.No. 120
52	Sontane	Panvel	132	119.00	24.00	3359.00	0.3359	Section -4 R.F.	V.B. of Dahivai Village	S.No. 130	S.No. 133	V.B. of Sirdhon Village
53	Narpoli	Panvel	R.F.	54.30	24.00	1531.00	0.1531	Reserved Forest	S.No. 9	S.No. 173	V.B. of Devoli Budruk Village	V.B. of Kushivai Village
54	Narpoli	Panvel	173	269.75	24.00	6308.00	0.6308	Section -4 R.F.	S.No. 3	S.No. 155	V.B. of Devoli Budruk Village	Reserved Forest
55	Devoli Budruk	Panvel	99	225.96	24.00	5263.00	0.5263	Reserved Forest	V.B. of Narpoli Village	S.No. 116/2	S.No. 68	S.No. 98
Total Area						151636.40	15.1636					

  
 Deputy Conservator of Forest  
 Adilabad