SITE INSPECTION REPORT

Sr.No	Items	Observations & Remark				
1	Name of the Project & location (Range, Round, Beat)	Proposal for installation of Polypropylene (PP) unit at Rasayani and Interconnecting Pipeline from BPCL, Mumbai Refinery (MR) to Rasayani.				
		Range Round Beat Village				
		Central Mankhurd Turbhe Mahul Mumbai				
2	Name of the User Agency	Bharat Petroleum Corporation Limited				
3	Date of site inspection	23/08/2019.				
4	Extent (ha) & legal status of forest land proposed for diversion	Reserve Forest u/s 4 of IFA 1927 - 2.4812 ha Mangrove Forest (unmodified) - 5.3200 ha				
5	a) Detailed of forest land proposed for diversion & activity-wise break-up of forest land	As per Area Statement attached on page no.				
	b) Density & Eco-value class	Density- 0 to 0.4 Below Eco-value Class II				
6	Whether the requirement of forest land as proposed by the User Agency in col.2 part-1 is unavoidable & barest minimum for the project. If no, recommended area item wise with details of alternative examined.	Yes Yes				
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 from wildlife point of view or not	No.				
	b) Details of any rare or endangered or unique species of flora & fauna found in proposed forest land. IF so, the details thereof	No. The Proposed Project alignment is outside the Proposed ESZ area of Thane Creek Flamingo Sanctuary. Therefore the project does not have any adverse effect on any species of Flora and Fauna within the area.				
	c) Aerial distance from the nearest boundary of any Protected Area (km)	No. The Proposed alignment of Project is within Deem Eco-sensitive zone of Thane Creek Flamingo Sanctuary.				

		and The zone Flam	Distance from Than Sanjay Gandhi Natio Proposed alignments of Thane Creek Flaningo Sanctuary while ESZ of 10 ki	nal Park t is not amingo ich is y	is 11.2 K within pr Sanctuary et to be f	m. roposed eco sens but in ESZ of T finalized therefor	sitive Thane re by
	d) Remarks about sensitivity of the forest area likely to be affected sue to project	of T	Proposed Project alighane Creek Flamingnave any adverse effinithe area.	Sancti	ary. There	efore the project	does
	e) Whether wildlife mitigation plan is required? If yes, reasons thereof	No.					
9.	Derails of Vegetation	bush	utting of mangrove tr es of average maximu meter shall be affecte	ım heigl			
	a) Total number of trees to be felledb) Number of trees to be felled of girth below 60 cm.	Nil Nil					
	c) Number of trees to e felled of girth above 60 cm.	Nil					
	d) Effect of removal of trees on the general ecosystem in the area	NA					
10	Background note on the proposal (Short summary)	MM7 Refin	at Petroleum Corpor IPA Refinery at Ma Pery is the only Refinery	ahul vil nery in 1	lage, Munthe country	mbai. This comp y without evacua	pact tion
		Acres which expar	oducts by Rail. In ord I products, BPCL is s of land at Rasaya is about 45 Km ission of refinery ce	in the p ni, Raig s from ntric fa	process of gad Distric the Mur cilities en	acquiring about ct, and Maharas mbai Refinery. visaged at Rasay	700 htra The yani
		includes Petrochemical facilities, White Oil Rail loading facilities & Lube oil Blending plants. The Petrochemical facilities envisaged requires raw materials like Propylene, Ethylene, Unconverted Oil (UCO) and Naphtha. The proposed Lube Oil Blending plant will receive Lube Oil Base Stock (LOBS) through pipeline. The proposed Naphtha pipeline is also proposed to be used for other white oil product for having a					
		Railway wagon loading facility at Rasayani, thereby developing this important mode of evacuation for BPCL's Mumbai Refinery. The proposed pipelines from BPCL Mumbai Refinery to Rasayani with the capacity proposed is given below					
		Sr.N	Product	Pipeli ne Size	Capacit y in MMTP A	Purpose	
		1.	Propylene	8"	0.45	Feed Stock to Polypropylene	



						plant
		2.	Lube Oil	10"	0.45	Base oil for Lube plant
		3.	UCO	10"	1.0	Feed Stock to Polypropylene plant
		4.	Multiproduct Pipeline	18"	6.4	Feed Stock to polypropylene plant and for Rail Loading to BPCLs upcountry
						locations
11	W7l4l4l	1 7				· · · · · · · · · · · · · · · · · · ·
11.	Whether the proposal involves any violation of Forest (Conservation) Act 1980? If yes, a details	No				
	report on violation including action taken against the concerned					
	officials to be attached.			in the second		
12	Whether the proposal involved rehabilitation plan has been approved by the	The proposal doesn't involve any rehabilitation hence no rehabilitation plan required.				
13	State Government? Derailed on catchment	NA			•	
15	&culturable common area	INA				
	under the project (if applicable)					
14	Utility of the project	ADVA	NTAGES OV	ER O	THERS	MODES OF
			SPORTATION:			
		other n		il moveme	ent. Cons	nergy as compared to ervation of energy is
- 1						
						endly vis-à-vis rail / f the pipeline during
		constru	ection, operation ar	nd mainten	ance phas	ses is negligible. The
		environmental impact during construction is mostly reversible since, after laying the pipeline, the land is restored to normal use. During operation and maintenance of the pipeline, only a small quantity of effluent is generated at pumping stations and at terminals for which oil water separators are provided. These separators also take care of any oil and petroleum product				
			e in the installation			
		minimu	ım handling of pr es also makes then	oduct. The	e subterra	ed safety as there is anean nature of the than other modes of
						ture, certain losses uring transportation

		are unavoidable. However, it is observed that these losses can be minimized in the pipeline mode. Experience shows that whilst pipeline transportation losses range between 0.1% to 0.15% the losses in the rail / road transportation are as high as 0.32% to 0.5% especially in lighter products, which are high value products. v. Natural calamities like floods, breaches, etc, disturb surface
		transport systems. As major part of the pipeline system traverses below the ground, the pipelines are normally less affected by natural calamities.
		vi. Transportation by modes other than pipelines, especially road, has an adverse effect on the environment through exhaust emissions apart from the wear and tear caused to the infrastructure like roads, leading to high maintenance cost for the economy.
		vii. Further, in case of pipelines, the land is restored back to its normal use after construction work is completed. In case of rail
		transportation, the land use pattern is permanently changed. In the
		pipeline option, it is possible to traverse even through very difficult terrain.
		difficult terrain.
15	Whether land being	No
	diverted has any socio- cultural/religious values?	
	Whether any scared grove	
	or very old growth	
	trees/forest exist in the	
	areas proposed for	
1.5	diversion?	
16	Any other important	Attached on page
	information related to the	
1	project (Separate note may be attached, if req.)	
17	Details of documents &	Documents enclosed on page no.
'	photographs enclosed.	2 observed on page no.
18	Recommendations of the	The project is recommended as the pipeline is safe mode of
	Inspecting Officer	transportation, reduce road congestion, lower energy
	(CCF/DCF/CF)	consumption and environmental friendly by minimizing gaseous
		emission in transit. The proposed pipeline is for public utility and
		supply of aviation fuel to proposed Navi Mumbai International
		Airport and after completion of project, the diverted land is
		restored back to its normal condition by project proponent.

Date: / /2019

Place : Mumbai

(D.R.Patil) Divisional Forest Officer Mumbai Mangrove Conservation Unit

Divisional Forest Officer Mumbal Mangrove Conservation Unit

Official Seal :-

