

MRPL.FOREST

11.09.2023

DEPUTY CONSERVATOR OF FOREST (DCF),
ALIBAG, DISTRICT- RAIGAD

SUBJECT: COMPLIANCE OF CONDITIONS MENTIONED IN IN-PRINCIPAL APPROVAL:
"DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA"

REFERENCE: a) In-principal approval from MOEF & CC (CENTRAL) vide letter ref FC-II/MH- 163/2021 NGP/10134 dated 10.08.2022
b) Your office Letter vide ref 810/2023-24 dated 07.06.2023

Dear Sir,

With reference above mentioned cited subject, Ministry of Environment, Forest, and Climate Change (MOEF&CC), Regional Office (Central), Nagpur has granted the In-principal approval (stage-I) for above-mentioned project proposal vide their letter ref FC-II/MH-163/2021 NGP/10134 dated 10th August 2022.

We are herewith submitting the point-wise Compliance Report for your kind approval and necessary action please.

PROPOSAL NUMBER: FP/MH/Pipeline/39455/2019

Condition No. as mentioned in principal approval	Conditions as referred in letter ref FC-II/MH-163/2021 NGP/10134 dated 10 th August 2022	Compliance by Bharat Petroleum Corporation Limited
i	Legal status of the forest land shall remain unchanged	Project authority is agreed for the condition. We hereby undertake that Legal status of the Forest land shall be remain unchanged. Undertaking is Enclosed as Annexure-1.
ii	Compensatory afforestation Compensatory afforestation shall be taken up by the Forest Department over the area 46.00 ha. degraded Forest Land at the cost of User Agency.	Compensatory afforestation shall be taken up by the Forest Department over 46.00 ha. degraded forest land (As per CA Land Details provided in Proposal) at the cost of the User Agency.

कार्यालय :- दुसरी मंजिल, एनेक्स बिल्डिंग, बीपीसीएल रिफाइनरी, माहुल, चेंबूर, मुंबई - 400 074. फोन: 022-2553 3888 / 3999 / 2552 4888 / 4999

रजिस्टर्ड कार्यालय : भारत भवन, 4 और 6, करीमभोंय रोड, बेलाई इस्टेट, पोस्ट बॉक्स क्र. 688, मुंबई-400 001.



	<p>As far as possible, a mixture of local indigenous species along with 10% RET species of Raigad District shall be planted and monoculture of any species may be avoided. At least two water bodies in Sur. no. 137 and Sur. No. 23 and at least one water body each in Sur. no. 62, 65, 60/1/B & 13/1 /A shall be constructed in the form of tank/ stop dams etc if the same are not available in the area or in nearby vicinity. Further, if existing tanks/ stop dams are available and needs desilting/ repair; same shall be carried out to meet the water requirement of wild animals throughout the year;</p>	<p>The amount in this regard has been deposited.</p> <p>Payment of Rs. 7,13,51,967/- has been credited to Campa vide generated challan no 7239455378 dated 22.06.2023. for the Compensatory afforestation with NPV (Rs. 2,95,00,439.00)</p> <p>The UTR No for the said transaction is SBINR12023082468263820 (Rs 71,351,967.00) dated 24.08.0223</p> <p>As far as possible, a mixture of local indigenous species along with 10% RET species of Raigad District shall be planted and monoculture of any species may be avoided. At least two water bodies in Sur. no. 137 and Sur. No. 23 and at least one water body each in Sur. no. 62, 65, 60/1/B & 13/1 /A shall be constructed in the form of tank/ stop dams etc if the same are not available in the area or in nearby vicinity. Further, if existing tanks/ stop dams are available and needs desilting/ repair; same shall be carried out to meet the water requirement of wild animals throughout the year.</p>
iii	<p>The cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the project authority. The CA will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years. for protection of left-over small patches in proposed CA area, the fencing shall be done upto the compartment boundary or upto the extent that there are no left-over small patches vulnerable for encroachment;</p>	<p>Payment of Rs. 7,13,51,967/- has been deposited against the compensatory levies to CAMPA Maharashtra.</p> <p>The UTR No for the said transaction is SBINR12023082468263820 (Rs 7,13,51,967.00) dated 24.08.0223</p> <p>We are also herby undertake that if CA amount is increased due to difference in prevailing wage rates, in this case we will also deposit the difference amount.</p> <p>Undertaking is Enclosed as Annexure-2.</p>
Iv (a)	<p>NPV:</p> <p>The State Government shall charge the Net Present Value (NPV) for the 22.9648 ha forest area to be diverted</p>	<p>Payment of Rs. 7,13,51,967/- has been credited to CAMPA vide generated challan no 7239455378 dated 22.06.2023. for the</p>

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPC
Mahul, Chembur, Mumbai - 400
Mobile : 98693 70970

	under this proposal from the User Agency as per the orders of the Hon'ble Supreme Court of India dated 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in IA No. 566 in WP (C) No. 202/1995 and as per the guidelines issued by the Ministry vide letters No. 5-1 /1998-FC (Pt. II) dated 18/09/2003, letter No. 5-2/2006-FC dated 03/10/2006, letter No. 5-3/2007-FC dated 05/02/2009 and letter No. 5-3/2011-FC(Vol-I) dated 06.01.2022 in this regard;	Compensatory afforestation including NPV (Rs. 2,95,00,439.00) The UTR No for the said transaction is SBINR12023082468263820 (Rs 7,13,51,967.00) dated 24.08.0223
iv (b)	Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon'ble Supreme Court of India on receipt of the report from the Expert Committee, shall be charged by the State Government from the User Agency. The User Agency shall furnish an undertaking to this effect;	Additional amount of the NPV of the diverted forest land, if any, becoming due after finalization of the same by the Hon's Supreme Court of India on receipt of the report from the Expert Committee, in this case we will also deposit the difference NPV amount demand by Forest Department. Undertaking for Making Additional NPV amount as Per revised rates is Enclosed as Annexure-3.
v	User Agency shall restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department and the cost of felling of trees shall be deposited by the User Agency with the State Forest Department	We will restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department. The Cost of Felling of trees has been deposited vide Demand Draft of Rs. 16,61,701.00 in favour of Deputy Conservator of Forest, Alibag ((DD No. 371510 dated 24.08.2023)). Undertaking is Enclosed as Annexure-4.
vi	The drilling shall be done under the supervision of State Forest Department and the DCF concern shall ensure that there is no tree felling for the drilling purpose. Further, no tree felling shall be allowed where Horizontal Directional Drilling is proposed;	We hereby undertake that the drilling shall be done under the supervision of State Forest Department and no tree felling will be done where Horizontal Directional Drilling is proposed. Undertaking is Enclosed as Annexure-5.
vii	All the funds received from the user agency under the project shall be transferred/ deposited to CAMPA fund only through e-portal (https://parivesh.nic.in/)	Payment of Rs. 7,13,51,967/- has been deposited against the compensatory levies to CAMPA Maharashtra. The UTR No for the said transaction is SBINR12023082468263820 (Rs 7,13,51,967.00) dated 24.08.0223

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970



viii	As per Forest (Conservation) Rules, 2022 dated 28.06.2022 published by the Ministry, State Government, Maharashtra/ Nodal Officer, Maharashtra shall ensure settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (No. 2 of 2007) before issue of Stage- II approval;	Compliance of the FRA, 2006 has been completed and hard copy already submitted in prescribed format. Original FRA Certificates for both divisions (Mumbai & Raigad) are enclosed from Annexure-6 to Annexure-7.
ix	The pipeline shall be laid down at least 10 meters below the ground and no terrestrial forest surface shall be break for laying the pipeline except the two openings for Horizontal Directional Drilling.	We hereby Undertake that the pipeline shall be laid down at least 10 meters below the ground and no terrestrial forest surface shall be break for laying the pipeline except the two openings for Horizontal Directional Drilling. Undertaking for accepting the condition is enclosed herewith as Annexure-8 .
x	To improve the Forest/ Tree cover and to reduce pollution in the State, as mandated in National Forest Policy, 1988 and Environmental (Protection) Act, 1986 respectively, the User Agency with involvement of Joint Forest Management Committees (JFMC's) and in consultation with local DCF shall raise at least 25,000 seedlings of forestry species along with bamboo, fruit bearing, medicinal, ornamental and indigenous/local for 10 years. At least 50% of seedlings shall be planted in the vicinity of project area and remaining 50% of seedlings shall be distributed among villagers as per choice of villagers. The concerned JFMC's shall maintain record of plantation/ seedling distribution to villagers;	Against the condition, as demanded by DCF, Alibag in his letter dated 07.06.2023, we have submitted a Demand Draft for Rs. 92,00,045.00 in favour of Sanyukta Van Vyavasthapan Samiti, Koproli (DD No. 371512 dated 24.08.2023) with DCF, Alibag.
xi	The State Government/ User Agency shall take prior permission from Hon'ble High Court for Mangrove cutting before issue of order for diversion of the forest land in accordance with Hon'ble Mumbai High Court order dated 27/1/2010 in PIL 87 of 2006;	We hereby undertake that we shall take prior permission from Hon'ble High Court for Mangrove cutting before issue of order for diversion of the forest land in accordance with Hon'ble Mumbai High Court order dated 27/1/2010 in PIL 87 of 2006. Undertaking for accepting the condition is enclosed herewith as Annexure-9 .

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970



xii.	User Agency shall obtain Environmental Clearance as per the provisions of the Environmental (Protection) Act, 1986, if applicable	Environmental clearance has been obtained and copy of EAC meeting MOM is attached as Annexure-10 for your reference.
xiii	The layout plan of the proposal shall not be changed without prior approval of Central Government;	We hereby undertake that; the layout plan of the proposal shall not be changed without prior approval of Central Government. Undertaking is Enclosed as Annexure-11.
xiv	No labour camp shall be established on the forest land;	We hereby undertake that; no labour camp shall be established on the forest land. Undertaking is Enclosed as Annexure-12.
xv	Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel;	We hereby Undertake that, Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel. Undertaking is Enclosed as Annexure-13.
xvi	The boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer;	We hereby Undertakes that, the boundary of the diverted forest land shall be suitably demarcated on ground at the project cost, as per the directions of the concerned Divisional Forest Officer. Undertaking is Enclosed as Annexure-14.
xvii	No additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work;	We hereby Undertake that; no additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work. Undertaking is Enclosed as Annexure-15.
xviii	The period of diversion under this approval shall be co-terminus with the period of lease to be granted in favour of the user agency or the project life, whichever is less;	We hereby Undertake that, The Period of diversion under this approval shall be co-terminus with the period of lease to be granted in Favor of the user agency or the project life, whichever is less. Undertaking is Enclosed as Annexure-16.
xix	The forest land shall not be used for any purpose other than that specified in the project proposal;	We hereby Undertake that; the forest land shall not be used for any purpose other than that specified in the project proposal. Undertaking is Enclosed as Annexure-17.
xx	The forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department, or person without prior approval of Govt. of India	We hereby Undertake that, the forest land proposed to be diverted shall under no circumstances be transferred to any other

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074
Mobile : 98693 70970



		agencies, department or person without prior approval of Govt. of India. Undertaking is Enclosed as Annexure-18.
xxi.	Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MOEF&CC Guideline F. No. 11-42/2017-FC dt 29/01/2018	We hereby Undertakes that, Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MOEF&CC Guideline F.No. 11-42/2017-FC dt 29/01/2018. Undertaking is Enclosed as Annexure-19.
xxii	Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife	We hereby Undertakes that, we will accept Any other condition that the Ministry of Environment, Forest & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife. Undertaking is Enclosed as Annexure-20.
xxiii	The compliance report shall be uploaded on e-portal (https://parivesh.nic.in/);	Compliance report has been uploaded on e-Portal (https://parivesh.nic.in/)

View above, we request your necessary action in the subject proposal.

Thanking you,

Yours Sincerely

For Bharat Petroleum Corporation Limited

 Yashwant Pawar
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Mr. Yashwant P. Pawar

Senior Manager, Projects (Pipelines)

9869370970/pawaryp@bharatpetroleum.in/mrpl.bpcl@gmail.com

Enclosures: A/a

ANNEXURE-1

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. :- FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. I

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that the legal status of the Forest land will remain unchanged.

Place: Mumbai
Date: 11/09/2023


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-2

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. iii

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that the cost of compensatory afforestation at the prevailing wage rates as per compensatory afforestation scheme and the cost of survey, demarcation and erection of permanent pillars if required on the CA land shall be deposited in advance with the Forest Department by the project authority. The CA will be maintained for 10 years. The scheme may include appropriate provision for anticipated cost increases for works scheduled for subsequent years. for protection of left-over small patches in proposed CA area, the fencing shall be done up to the compartment boundary or up to the extent that there are no left-over small patches vulnerable to encroachment.


We also hereby undertake that if CA amount is increased due to difference in prevailing wage rates, in this case we will also deposit the difference amount.

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, Forest Survey,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970



Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

AGENCY COPY

यूनियन बैंक ऑफ इंडिया  **Union Bank of India**

एकता है शक्ति A Government of India Undertaking

NEFT / RTGS CHALLAN for CAMPA Funds

Date : 22-06-2023

Agency Name.	BHARAT PETROLEUM CORPORATION LIMITED MAHUL RASAYANI PIPELINE
Application No.	7239455378
MoEF/SG File No.	FC-II/MH-163/2021-NGP
Location.	MAHARASHTRA
Address.	BHARAT PETROLEUM CORPORATION LIMITED Mumbai City
Amount(in Rs)	71351967/-


Amount in Words :Seven Crore Thirteen Lakh Fifty-One Thousand Nine Hundred and Sixty-Seven Rupees Only

NEFT/RTGS to be made as per following details;



Beneficiary Name:	MAHARASHTRA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150787239455378 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

• This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

BANK COPY

यूनियन बैंक ऑफ इंडिया  **Union Bank of India**

एकता है शक्ति A Government of India Undertaking

NEFT / RTGS CHALLAN for CAMPA Funds

Date : 22-06-2023

Agency Name.	BHARAT PETROLEUM CORPORATION LIMITED MAHUL RASAYANI PIPELINE
Application No.	7239455378
MoEF/SG File No.	FC-II/MH-163/2021-NGP
Location.	MAHARASHTRA
Address:	BHARAT PETROLEUM CORPORATION LIMITED Mumbai City
Amount(in Rs)	71351967/-

Amount in Words :Seven Crore Thirteen Lakh Fifty-One Thousand Nine Hundred and Sixty-Seven Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	MAHARASHTRA CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150787239455378 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

• This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

Note:After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date and reference id to Email: fcsblr@unionbankofindia.bank , epurse@unionbankofindia.bank, ubin0903710@unionbankofindia.bank

forestclearance.nic.in/useraccount/Payment_history.aspx

ESH "Pro Active and Responsive facilitation by Interactive, Virtuous and Environmental Singlewindow Hub"

Ministry of Environment, Forest and Climate Change
Government of India

My Proposals Environment Clearance > Only CRZ Clearance > My Proposals Forest Clearance > My Proposals Wildlife Clearance > Help >

1:4

Application_No	Application No (New)	Date of IN- PRINCIPLE	Amount to be Paid/Amount Paid (in Rs.)				Payment Status	Payment Detail			
55/2019	PIPELINE394552019378	10 Aug 2022	CA: PCA: Safety Zone: NPV: cost of survey, demarcation & erection of permanen : nil : nil : Total :	37024664/- , 0/- , 0/- , 29500439/- , 3377725/- 0/- 0/- 71351967/-	Addl CA : CAT : Addl PA : Cost of tank/stop dam :	0/- 0/- 0/- 1449139/-	<div>✓</div> <div>Paid</div>	Fund Demand Verified by Nodal Officer On Bank Name Mode of Payment Challan Generated On Transaction Date	:13 Jun 2023 :Union Bank Of India :NEFT/RTGS (Challan) :03 Jul 2023 :24 Aug 2023		
571/2021	PIPELINE1476712021384	16 May 2023	CA: PCA: Safety Zone: NPV: Other Charges1 : Other Charges2 : Other Charges3 : Total :	804884/- , 0/- , 0/- , 9494/- , 0/- 0/- 0/- 814378/-	Addl CA : CAT : Addl PA : Other Charges :	0/- 0/- 0/- 0/-	<div>✓</div> <div>Paid</div>	Fund Demand Verified by Nodal Officer On Bank Name Mode of Payment Challan Generated On Transaction Date	:12 Jul 2023 :Union Bank Of India :NEFT/RTGS (Challan) :19 Jul 2023 :17 Aug 2023		

Yashwantrao Pawar
Sr. Manager
Rasayam Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

forestclearance.nic.in/useraccount/Challan_grid.aspx

ESH "Pro Active and Responsive facilitation by Interactive, Virtuous and Environmental Singlewindow Hub"

Ministry of Environment, Forest and Climate Change

Government of India

My Proposals Environment Clearance ▾ Only CRZ Clearance ▾ My Proposals Forest Clearance ▾ My Proposals Wildlife Clearance ▾ Help ▾

1:4

Application No	Application No (New)	Proposal Name	Category	Area (ha.)	User Agency Name	Date of IN-PRINCIPLE	Demand Verified Date	Action
17/2021/PIPELINE1476712021384	72147671384	Division of 0.0085 Ha Reserved Forest for Laying 10" Dia LPG Underground Pipeline along with OFC by BPCL in Taluka Khalapur & Panvel in District Raigad- Maharashtra	Pipeline	0.0085	BHARAT PETROLEUM CORPORATION LIMITED MAHUL RASAYANI PIPELINE	16-5-2023	12-7-2023	✓ Paid
15/2019 PIPELINE394552019378	7239455378	Proposal for Installation of Polypropylene (PP) unit at Rasayani and Interconnecting Pipelines from BPCL Mumbai Refinery (MR) to Rasayani	Pipeline	22.9648	BHARAT PETROLEUM CORPORATION LIMITED MAHUL RASAYANI PIPELINE	10-8-2022	13-6-2023	✓ Paid

Yashwantrao Chavan
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP LTD
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

SWACHH
BHARATDigital India
Power To Empowerdata.gov.in
Open Government Data (OGD) Platform IndiaThe national portal of India
india.gov.inmy GOV
अभि सरकार

Meity

PMINDIA

Updated and Maintained by Ministry of Environment, Forest and Climate Change, Government of India
s | Privacy Policy | Copyright Policy | Hyperlinking Policy | Accessibility Statement | Disclaimer | Contact Us

For any Technical support, Please Contact EFCOID
monitoring-fc(at)nic(dot)in

here to search



31°C

ANNEXURE-3


Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. iv(b)

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that, an additional amount of the NPV of the diverted forest land, if any, becomes due after finalization of the same by the Hon's Supreme Court of India on receipt of the report from the Expert Committee, in this case we will also deposit the difference NPV amount demand by Forest Department.


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai

Date: 11/09/2023

Yashwant Pawar

Senior Manager, Projects (Pipelines)

Bharat Petroleum Corporation Limited

MOBILE NO. 9869370970

E-MAIL: pawaryp@bharatpetroleum.in

mrpl.bpcl@gmail.com

ANNEXURE-4

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. v

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that we will restrict the felling of trees to minimum number in the diverted forest land and the trees shall be felled under the strict supervision of the State Forest Department.

The Cost of Felling of trees has been deposited vide Demand Draft of **Rs. 16,61,701.00** in favour of Deputy Conservator of Forest, Alibag ((**DD No. 371510 dated 24.08.2023**).

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORPORATION LIMITED
5th Floor, Annex Building, Rasayani
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-5

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. vi

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that the drilling shall be done under the supervision of State Forest Department and the DCF concern shall ensure that there is no tree felling for the drilling purpose. Further, no tree felling shall be allowed where Horizontal Directional Drilling is proposed.

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-6

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. :- FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. viii

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that Compliance of the FRA, 2006 has been completed and a hard copy of the issued FRA Certificate from DM, Mumbai is attached herewith.

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970



Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-7


Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. viii

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that Compliance of the FRA, 2006 has been completed and a hard copy of the issued FRA Certificate from DM, Raigad is attached herewith.


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, Bhatia Chowk,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

FORM -I
(For linear projects other than Plantations)
[Rule 6(3)(e) of Forest (Conservation) Rules 2003 as amended up to date]
Government of Maharashtra
Office of the District Collector Raigad.

No.RB/LND/A-03/VANHAKKA/24922/2022

Dated :- 26/05/2022.

TO WHOMSOEVER IT MAY CONCERN

In compliance of the Rule 6(3)(e) of the Forest (Conservation) Rules, 2003 [as amended vide the Forest (Conservation) Amendment Rules 2014; Forest (Conservation) second Amendment Rules 2014; and Forest (Conservation) Amendment Rules 2016] it is certified that 15.1636 hectares of forest land proposed to be diverted in favour of Project Authority, Mahul Rasayani Pipelines Project, Bharat Petroleum Corporation Ltd. for Construction of under Ground Petroleum Pipelines and associated facilities from mahul (Mumbai Suburban district) to Rasayani (Raigad District) in Raigad district falls within jurisdiction of villages in Wahal, Ulwe, Sonkhar, Owle, Paragaon Dungi, Karanjade, Sirdhon, Somtane, Narpoli, Devloli Budruk - Panvel tehsils.


It is further certified that :

- a) the complete process of recognition and vesting of forest rights under the FRA has been carried out for the entire 15.1636 hectares of forest land proposed for diversion. A copy of records of all consultations and meetings of the Forest Rights Committees, Gram Sabhas, Sub-Division Level Committees and the District Level Committee are enclosed as attachment I, II and attachment III.
- b) the diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA, 2006 have been completed and the Gram Sabhas have given their consent to it.
- c) the proposed area does not involve recognized rights of Primitive Tribal Groups and Pre-agricultural Communities.

Encl. :-

Details of proposed forest land (Attachment - IV)




(Dr. Mahendra Kalyankar)
COLLECTOR RAIGAD

Copy to :- 1) Deputy Conservator of Forest Division, Alibag

- 2) Project Authority, Mahul Rasayani Pipelines Project, Bharat Petroleum Corporation Ltd. 2nd Floor, E.R.P. Building, A Installation, Sewree (East), Mumbai - 400 015.

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 014.
Mobile : 98693 70970



**Construction of under Ground Petroleum Pipelines and associated facilities
from mahul (Mumbai Suburban district) to Rasayani (Raigad District)**

**DETAILS OF PROPOSED FOREST LAND
ATTACHMENT - IV**

Sr.No.	Name of Village	Survey/ Gut No	Area Under Proposal (Hector)
1	2	3	4
1	Wahal	Creek	5.4923
2	Panvel	Creek	1.5217
3	Ulwe	100	0.8933
		98	0.1029
		97/1, 97/2	0.0953
		95/ 1 to 8	0.3758
		51	0.0726
4	Sonkhar	1/3	0.3448
		1/5	0.0517
		1/8	0.1020
		1/11	0.1323
		1/20	0.0978
		3/2	0.2450
		3/8	0.0015
		16/1	0.1303
		16/7/26	0.0837
		16/10	0.0200
		16/11	0.0163
		16/12	0.1499
		16/13	0.0123
		16/25	0.0005
		16/16	0.0005
		16/17	0.0221
		16/18	0.0134
		16/23	0.0270
		16/22	0.0228
		16/20	0.0429
		16/19	0.0005
		16/21	0.0327
		16/24	0.0068
		15/2	0.0077
		15/4	0.0332
		15/6	0.0798
		15/11	0.1013
		15/10	0.0871
		15/12	0.0051
		15/13	0.0245
		15/14	0.0119
		20/5	0.0031
		20/1	0.0924
		20/2	0.0036
5	Owle	193	0.8991
		173/1/A, B, 173/2, 4	0.1916
		174/1	0.1028

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970



		175	0.1013
		Creek	0.1542
6	Paragaon Dungi	7	0.0338
7	Karanjade	52/4	0.2356
		52/1/A	0.0685
8	Sirdhon	115/1	1.1712
9	Somtane	132	0.3359
10	Narpoli	Comp.No. 127	0.1531
		173	0.6308
11	Devlooli Budruk	99	0.5253
TOTAL			15.1636



(Signature)
 (Dr. Mahendra Kalyankar)
COLLECTOR RAIGAD

Yashwant Pawar
 Sr. Manager
 Rasayani Pipelines Project
 BHARAT PETROLEUM CORP. LTD.
 1st Floor, Annex Building, BPCL Refinery,
 Mahul, Chembur, Mumbai - 400 074.
 Mobile : 98693 70970

(Signature)



Office of the Collector, Mumbai Suburban District

Administrative Building, 10th Floor, Government Colony, Bandra (E), Mumbai-51
Office: 022 69403333 Email: collector.mumbaisuburb@maharashtra.gov.in

No. C/Desk-21/FRA/WS- 374/2019

Date : 04/09/2023

FORM-I For Linear project Government of Maharashtra TO WHOMSOEVER IT MAY CONCERN

In compliance of the Ministry of Environment and Forest (MOEF) Government of India letter No.11-9/98-FC(pt) dated 3 rd August 2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of right under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition Of Forest Rights) Act 2006 (FRA for short) on the forest land proposed to be diverted for non-forest purpose read with MoEFS' issued letter dated 5th feb 2013 wherein MoEF certain relaxation in respect of linear projects ,it is certified that **7.8012 ha.** of forest land proposed to be diverted in favour of **Bharat Petroleum Corporation Ltd. for Construction of under Ground Petroleum Products Pipelines and associated facilities** in Mumbai Suburban district falls within jurisdiction of **Village Mahul in Kurla tahsil.**

Land Detail

Sr.No	Village	Taluka	CTS No./ PR No.	Area in ha.
1	Mahul	Kurla	638pt.	2.4812
2			639pt	5.3200
3	Total			7.8012ha.

It is further certified that:-

- The complete process for identification and settlement of right under the FRA has been carried out for the entire **7.8012 ha.** of forest area proposed for diversion. A copy of records of all consultation and meeting of the Forest Right Committee (Ward Samiti) letter are enclosed as Annexure -01
- The diversion of forest land for facilities managed by the Government as required under section 3(2) of the FRA have been completed and ward Samiti have given their consent to it.
- The Proposal does not involve recognized rights of Primitive Tribal Groups and Pre-agricultural communities

Note : This certificate is issued on the basis of enquiry report of Sub Divisional Officer, Mumbai Eastern Suburb letter bearing No.Uvia/E.S./FRA-14/kavi-/2021 dated 13/07/2023 and Assistant commissioner, M/East Ward, Municipal Corporation Greater Mumbai bearing No. AC/ME/5136/Jan/A.C.(pari-2) dated 07/06/2023. (Copy enclosed)

Encl. As above



(Dr. Rajendra B. Bhosale)
Collector, Mumbai Suburban

Copy to : Bharat Petroleum Corporation Ltd. Priyadardhini Building, Sth, Trombay Industrial Area, EE Highway, Sion, Mumbai 400 022

D:\01.01.2023\जा राखीव तहसिलदार\2 आय\ FRA Certificate\30.8.2023 भारत पेट्रोलियम कॉर्पोरेशन लि. .docx

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98694 70970

ANNEXURE-8


Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. ix

Bharat Petroleum Corporation Limited, the user agency, we hereby Undertake that the pipeline shall be laid down at least 10 meters below the ground and no terrestrial forest surface shall be broken for laying the pipeline except the two openings for Horizontal Directional Drilling.


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai

Date: 11/09/2023

Yashwant Pawar

Senior Manager, Projects (Pipelines)

Bharat Petroleum Corporation Limited

MOBILE NO. 9869370970

E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-9

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xi

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that we will take prior permission from Hon'ble High Court for Mangrove cutting before issue of order for diversion of the forest land in accordance with Hon'ble Mumbai High Court order dated 27/1/2010 in PIL 87 of 2006.

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORPORATION LIMITED
1st Floor, Annex Building, BPCL Compound,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970



Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-10


Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xii

Bharat Petroleum Corporation Limited, the user agency, has obtained Environmental clearance and a copy of EAC meeting MOM is attached as **Annexure-10** for your reference.


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL, Mahul,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai

Date: 11/09/2023

Yashwant Pawar

Senior Manager, Projects (Pipelines)

Bharat Petroleum Corporation Limited

MOBILE NO. 9869370970

E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

17th August, 2023 (Wednesday)

Agenda No. 01

Proposal for Installation of Polypropylene (PP) unit at Rasayani and Interconnecting Pipelines from BPCL Mumbai Refinery (MR) to Rasayani – Re-consideration of Environment Clearance reg.

[IA/MH/IND2/74952/2018, IA-J-11011/168/2018-IA-II(I)]

The proposal was earlier considered by the EAC (Industry-2) in its 14th meeting of EAC, 15th meeting of EAC and 16th meeting of EAC held during November 20-22, 2019, December 30-31, 2019 & January 01, 2020 and January 21-23, 2020 respectively wherein EAC recommended the project for grant of Environmental & CRZ clearance subject to submission of 'Stage-1 forest clearance as per the provisions of the Forest (Conservation) Act, 1980. Stage-1 Forest Clearance was obtained from MoEF&CC, Nagpur vide F.No. FC-II/MH-163/2021- NGP/10134 dated 10.08.2022 for diversion of 22.9648 ha.

The proposal was re-considered by the EAC (Industry-2) after submission of stage – I FC, in its Meeting ID: IA/IND2/13414/09/01/2023, Meeting ID: IA/IND2/13528/17/07/2023 held during January 9-10, 2023 and 17th July 2023 respectively. Information desired by the EAC and responses submitted by the project proponent is as under:

S. No.	ADS by MoEFCC	Reply by PP
1	PP was asked to submit oil spill contingency plan for any potential leakage commensurate to the risk of the spill. PP also to submit its capability to respond the spill with trained manpower and equipment which they have. In case they don't have the mandatory tier 1 capability then to produce	<p>Presently, the Tier-1 facility is being maintained by MPA (Mumbai Port Authority) through third party M/s Sadhav Shipping Company. Tier-1 Oil Spill Response (OSR) facility is available round the clock for handling the Oil spill emergencies in Mumbai harbor including Marine Oil Terminal (MOT).</p> <p>This facility has all the required equipment needed for oil pollution control viz, various booms, skimmers, dispersant etc. in</p>

Page 2 of 63

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPC, Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile: 98693 70970



	commitment/MoU with service provider.	<p>sufficient quantities to meet the requirement of Tier-1 capability. Also, trained manpower having certification of International Maritime Organization (IMO) I/II/III levels is available round the clock to operate said facility. Oil Spill Response Center is available at Jawahar Dweep, Mumbai Port Authority established in Feb 2015 as per the contract.</p> <p>The said facility was implemented and being maintained as per the MOU made between the Mumbai Port Trust (MBPT), Jawaharlal Nehru Port Trust (JNPT) and all other Oil Participating Companies (OPC) on 18th Feb 2011 which is valid up to 17th Oct 2023. Oil participating companies does the contribution to the MPA for running the contract as per cargo handled by OPC in Mumbai harbour area including BPCL. Since contract monitoring is being done by MPA, the details shall be furnished by MPA to Coast Guard on behalf of OPC.</p> <p>BPCL committed that Oil Spill Management Plan will be in place during operation phase of the project.</p>
2	From the raw data of ambient air quality data provided it appears that only a single 24 hourly sample has been collected for PM10, PM2.5, SO2, HC, NH3 and Benzene, while 08 hourly sample has been collected CO and O3, which requires further clarification from PP, to ensure reliable data has been generated, since the issue of impacts due to air emissions have been raised during PH.	<p>Environmental Baseline Data Collection has been carried for 01 season i.e. 03 months from 1st March, 2023 to 31st May, 2023 by NABL accredited Laboratory – M/s Idma Laboratories Limited, Panchkula (Haryana).</p> <p>Ambient air quality monitoring was carried out at 10 locations and parameters such as PM10, PM2.5, SO2, NOx, CO, NH3, O3, HC, C6H6, Toluene and Xylene were monitored. Parameters like PM10, PM2.5, SO2, NOx and NH3 were analyzed on 24 hourly basis; CO and O3 on 1 hourly basis at 8 hourly intervals; whereas HC and Benzene on 1 hourly basis once in a day. Sampling was carried twice a week during 12 weeks study period. EIL as well as the project proponent witnessed the AAQ monitoring and sampling done by the baseline agency at different sampling sites on a regular basis.</p> <p>The baseline data collection and laboratory</p>

		analysis have been done as per CPCB guidelines and the results of baseline AAQ parameters are observed in the following range: PM10 (72.5 – 82.3 µg/m3), PM2.5 (37.2-45.3 µg/m3), SO2 (17.9-22.4 µg/m3), NO2 (24.1-34.7 µg/m3), CO (0.34-0.4 mg/m3), and Ozone (21.5-23.5 µg/m3) respectively.																																			
3	PP informed that total SO2 emission from the proposed project will be 2.4 kg/h. EAC suggested to provide basis of estimate of 2.4 Kg/h SO2 emission from the proposed project. Also Sulphur balance to be provided.	<p>The feed to the PP unit is Propylene which shall have negligible amount of Sulfur and traces, if any of sulfur contained in the feed stream shall be adsorbed in the Guard Bed provided inside the PP unit. The Natural Gas employed as fuel to the Boiler and Incinerator shall contain 8 ppm (Max) sulfur content which shall be released as SOx emission from the Boiler and incinerator Stack in proposed project.</p> <p>The SOx emissions have been further revisited based on the utilization of natural gas as fuel in the project and it is estimated that the Total SOx emissions will be 0.05 kg/hr from the boiler and incinerator stacks. Sulfur balance is given as below.</p> <table><tr><th colspan="5">Sulfur / SOx in Fuel / Flue Gas</th></tr><tr><th>Stream</th><th>TPD</th><th>S (wt %) max</th><th>S (TPD)</th><th>Remark</th></tr><tr><td colspan="5">Fuel</td></tr><tr><td>Boiler and Incinerator</td><td>72.0</td><td>0.0008</td><td>0.000576</td><td></td></tr><tr><td colspan="5">Flue Gas</td></tr><tr><td>Total SOx from the Boiler and Incinerator Unit</td><td></td><td>as SOx</td><td>0.001152</td><td>Operation of the Incinerator shall be Intermittent</td></tr><tr><td colspan="3">Total SOx</td><td>0.048</td><td>as Kg/hr</td></tr></table> <p>Accordingly, revised air quality modeling was carried out for the proposed project.</p>	Sulfur / SOx in Fuel / Flue Gas					Stream	TPD	S (wt %) max	S (TPD)	Remark	Fuel					Boiler and Incinerator	72.0	0.0008	0.000576		Flue Gas					Total SOx from the Boiler and Incinerator Unit		as SOx	0.001152	Operation of the Incinerator shall be Intermittent	Total SOx			0.048	as Kg/hr
Sulfur / SOx in Fuel / Flue Gas																																					
Stream	TPD	S (wt %) max	S (TPD)	Remark																																	
Fuel																																					
Boiler and Incinerator	72.0	0.0008	0.000576																																		
Flue Gas																																					
Total SOx from the Boiler and Incinerator Unit		as SOx	0.001152	Operation of the Incinerator shall be Intermittent																																	
Total SOx			0.048	as Kg/hr																																	



		The 24 hourly maximum GLC for SO ₂ and NO _x are predicted as 0.01 µg/m ³ and 2.35 µg/m ³ . Updated details of resultant GLC's are shown in table below:		
Name of Pollutants	Baseline Concentration in µg/m ³	Incremental Concentration in µg/m ³	Resultant ground level concentrations (GLC) Value in µg/m ³	Allowable Limit as per NAAQS in µg/m ³
SO ₂	22.4	0.01	22.41	80
NO _x	34.7	2.35	37.05	80

The committee found the baseline data submitted by the consultant adequate.

The Project Proponent and the accredited Consultant M/s. Engineers India Limited (NABET certificate no. NABET/EIA/1922/RA0189_Rev01 and validity 22/11/2023) made a detailed presentation on the salient features of the project and informed that the proposal is for environmental clearance to the project of, "Installation of Polypropylene (PP) unit at Rasayani and Interconnecting pipelines from BPCL Mumbai Refinery (MR) to Rasayani by M/s. Bharat Petroleum Corporation Limited (BPCL)".

The project/activity is covered under category A of items 5(c) "Petro-chemical complexes" and 6 (a) "Oil & Gas transportation Pipeline" of Schedule of Environmental Impact Assessment (EIA) Notification 2006 and requires appraised at Central Level by Expert Appraisal Committee (EAC).

The details of unit capacities, product pattern and proposed pipelines are as under:

Unit Capacities

S. No.	Unit	Existing Quantity (KTPA)	Proposed Quantity (KTPA)	Total Quantity (KTPA)
01	Polypropylene Unit	0	450	450

Associated facilities such as utility plants, tankages and dispatch facilities shall be installed, commensurate with above process capacities.

Product Pattern:

S. No.	Product/ By-product	Existing Quantity (KTPA)	Proposed Quantity (KTPA)	Total Quantity (KTPA)
1	Polypropylene	0	450	450

Details of Pipelines interconnecting BPCL Mumbai Refinery and Rassayani

S. No.	Pipelines From BPCL-MR to Rasayani plant	Diameter	Throughput
01	Propylene Pipeline	8"	0.45 MMTPA
02	Multi product Pipeline (MS/ HSD/ SKO/ ATF/Naphtha)	18"	6.4 MMTPA
03	Lube Oil Pipeline	10"	0.45 MMTPA
04	Unconverted Oil (UCO)/ Light Gas Oil (LGO) Pipeline	10"	1 MMTPA

Bharat Petroleum Corporation Limited (BPCL) has proposed a Polymer Grade Propylene plant at Rasayani, approx. 50 km from Mumbai Refinery. Ministry has issued standard Terms of Reference (TOR) for carrying out EIA study vide letter no. No. IA-J-11011/168/2018-IA-II(I) dated 17th June, 2018. PP has informed that no litigation pending against the proposal.

Public Hearing for the proposed project has been conducted by the Maharashtra State Pollution Control Board on 24.09.2019 at Rasarang Building, HOC Colony, Taluka Khalapur, Raigad district, Maharashtra near to the proposed project site. The hearing was presided over by the Additional District Magistrate, Raigad. The main issues raised during the public hearing along with written representations were discussed in the meeting held on 17th – 18th July, 2023 and reflected in its minutes of meeting.

Existing land area is 334 acres. No additional land is required for the proposed project. BPCL has acquired the land from Hindustan Organic Chemicals Limited (HOCL). Proponent will develop greenbelt in an area of 33 % i.e. 110.7 acres out of 334 acres of the total complex area. The estimated project cost is Rs. 6431 Crores (Rs. 3826 Crores for Rasayani Complex & Rs. 2605 Crores for Pipelines from BPCL-MR to Rasayani). Total capital cost earmarked towards environmental pollution control measures is Rs 104.95 crores and the recurring cost (operation and maintenance) will be about Rs 2.10 crores per annum. Direct employment will be 120 persons during operation & indirect employment for 2000 persons during construction phase (peak). BPCL proposes to allocate Rs 40.16 crores towards Corporate Environment Responsibility (CER).

Bharat Petroleum Corporation Ltd has also proposed to lay petroleum product pipelines (4 nos.) from Mumbai Refinery to Proposed Poly propylene plant at Rasayani. The pipelines are of different sizes having diameters 18" Multiproduct, 10" Lube oil, 10" Unconverted oil & 8" polypropylene with each pipeline approx. 40 km long, passing through MBPT, Belapur Creek, CIDCO, NH348, Cross Country section and is passing through forest area in the cross country section and finally terminating at Rasayani Plant.

In forest area it is passing through some of Mangrove areas across Belapur creek shores in Mahul villages at Mumbai side and village Ulve, Sonkhar, Owle & PargaonDungi, in Panvel Taluka. In FC portion the pipeline is proposed to pass through villages Wahal, Sirdhon, PargaonDungi, Karanjade, Somtane, Narpoli and Devloli Budruk in Panvel area.

As per the initial proposal the total Forest Area to be diverted for laying the pipelines is 25.68 Hectares (Mangrove area: 21.9 ha and Reserved / Protected Forest area: 3.78 ha). However, after a joint site inspection with forest officials (undertaken by DCF, Alibag, Raigad) and scrutiny of the proposal, optimum forest land for the diversion arrived to be 22.9648 hectares. Therefore, Stage -1 Forest Clearance was obtained from MoEF&CC, Nagpur vide F.No. FC-II/MH-163/2021- NGP/10134 dated 10.08.2022 for lesser area i.e. 22.9648 Hectares.

The proposed pipelines, which are feed to proposed PP Plant at Rasayani are passing through coastal areas and marine water of the Arabian Sea. Maharashtra Coastal Zone Management Authority (MCZMA) has recommended the proposal vide letter no. CRZ 2019/CR 153/TC 4 dated

19.11.2019. Expert Appraisal Committee in 15th Meeting held during December 30-31, 2019 & January 1, 2020 (Agenda No.15.5.19) recommended the project for grant of Environmental & CRZ clearance subject to submission of 'Stage-1 Forest Clearance. Expert Appraisal Committee in 16th Meeting held during January 21-23, 2020 (Agenda No. 16.3.11) noted that, "The proposal was earlier considered, and recommended for grant of environmental clearance by the EAC (Industry-2) in its meeting held during 30-31 December, 2019 & 1st January, 2020 (Agenda No.15.5.19) subject to submission of Stage-1 Forest Clearance". MoEF&CC, Nagpur has issued Stage-1 Forest clearance vide F.No. FC-II/MH-163/2021-NGP/10134 dated 10.08.2022 after discussing the proposal in the 87th Regional Empowered Committee meeting held on 26th July 2022 at Nagpur.

EAC noted that the Eco-sensitive Zone of Thane Creek Flamingo Sanctuary was notified vide SO 4293 (E) dated 14.10.2021 wherein ESZ boundary was notified to an extent of 0 (zero) to 3.89 kilometres around the boundary of Thane Creek Flamingo Sanctuary and the area of the Eco-sensitive Zone is 48.305 square kilometres. PP has submitted a copy of NOC from Additional Principal Chief Conservator of Forest (APCCF) vide letter no. S.Room-3/land/424/2023-24 dated 12/06/2023 indicating distance from project from the nearest boundary of ESZ is 5.5 km and the pipeline falls outside the ESZ of the Thane Creek Flamingo Sanctuary. The Eco-sensitive Zone of Karnala Wildlife Sanctuary was notified vide SO 230 (E) dated 22.01.2016 wherein ESZ boundary was notified to an extent of zero to 8 kilometers from the boundary. In this regard, PP has informed that ESZ of Karnala Bird Sanctuary falls within 1 km distance from pipeline and 2 km from the project site and proposed pipeline is not passing through any ESZ area of Karnala Bird Sanctuary. Arabian Sea is 20 km (south-west) and Patalganga river 1.2 km (south-east) from the project site.

Ambient air quality monitoring was carried out at 10 locations during March to May 2023 and the baseline data indicates the ranges of concentrations as PM10 (72.5 – 82.3 µg/m³), PM2.5 (37.2-45.3 µg/m³), SO₂ (17.9-22.4 µg/m³) and NO₂ (24.1-34.7 µg/m³) respectively. Air quality modeling was carried out for the proposed project. 24 hourly maximum GLC for SO₂ and NO_x are predicted as 0.54 µg/m³ and 2.35 µg/m³. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

Total fresh water requirement will be 375 m³/hr which will be met from supply of Maharashtra Industrial Development Corporation (MIDC). There shall be 160 m³/hr of liquid effluent generation from proposed plant which will be treated in new Effluent Treatment Plant. ETP treated waste water will be recycled through Zero Liquid Discharge (ZLD) plant.

Power requirement for the proposed project will be 42.9 MW and sourced from state electricity grid. Gas fired boiler with a capacity of 50 TPH (1+1) will be installed. Total SO₂ emission from the proposed project shall be 0.05 kg/h. Most of the process units will run on Natural Gas. Spent Catalyst will be generated (once in 4 years) during operation phase and other solid waste like spent Filter Elements, Spent Bag Filter, absorbent etc. will be sold to Catalyst processor for metals reclamation or disposed off to TSDF. An agreement with locally approved TSDF agency will also be put in place. The solid & hazardous waste will be managed as per CPCB guidelines.

The proposed pipelines, which are to carry feed to proposed PP Plant at Rasayani are passing through coastal areas and marine water of the Arabian Sea. The proposal was presented before 138th meeting of Maharashtra Coastal Zone Management Authority (MCZMA) on 10/10/2019 for CRZ recommendation. After detailed discussion and deliberation, MCZMA has recommended the proposal vide letter no. CRZ 2019/CR 153/TC 4 dated 19.11.2019.

Further, PP vide letter no. FC-II/MH-163/2021-NGP/10134 dated 10.08.2022 has submitted copy of Forest Clearance Stage I for diversion of 22.9648 Ha of land for construction of underground petroleum pipeline with OFC and its associated facilities from Mahul to Rasayani in the State of Maharashtra.

Stage -1 Forest Clearance was obtained from MoEF&CC, Nagpur vide F. No. FC-II/MH-163/2021- NGP/10134 dated 10.08.2022 for 22.9648 ha. However, earlier as per EIA /EMP report, "the total Forest Area to be diverted for laying the pipelines is 25.68 Hectares (Mangrove area: 21.9 ha and Reserved / Protected Forest area: 3.78 ha).

Further, PP explained that the total forest land requirement for the proposal is 22.9648 ha only. The requirement of optimum forest land for the diversion arrived after a joint site inspection with forest officials (undertaken by DCF,

Alibag, Raigad) and scrutiny of the proposal. Therefore, Stage -1 Forest Clearance was obtained for lesser area i.e. 22.9648 Hectares.

Budget of Environmental Management Plan (Capital Cost)

Sl. No.	Activity	EMP Budget (Rupees in Lakhs)
1.0	Air Environment	
1.1	Greenbelt Development	150.0
1.2	Air pollution control devices	100.0
2.0	Noise Environment	
2.1	Additional Plantation Activities	Included in 1.1
2.2	Audiometric test/ Occupational Health Check-up	5.0
3.0	Water Environment	
3.1	Rain water Harvesting pits	10.0
3.2	Water sampling/monitoring	5.0
3.3	ETP and STP	10000
4.0	Land Environment	
4.1	Additional Plantation Activities	Included in 1.1
4.2	Solid waste management	20.0
4.3	Soil sampling/monitoring	5.0
5.0	Biological Environment	
5.1	Additional Plantation Activities	Included in 1.1
6.0	Marine Environment	
6.1	Shoreline monitoring & Oil spill management	200
	Budget for EMP (Capital Cost)	10495.0

Table: Budget of Environmental Management Plan (Recurring Cost per Annum)

Sl. No.	Activity	EMP Budget (Rupees in Lakhs)
1.0	Air Environment	
1.1	Greenbelt Maintenance	50.0
1.2	Air pollution control devices	50.0
2.0	Noise Environment	
2.1	Additional Plantation Activities	Included in 1.1
2.2	Audiometric test/ Occupational Health Check-up	5.0
3.0	Water Environment	
3.1	Rain water Harvesting pits	5.0
3.2	Water sampling/monitoring	5.0
3.3	ETP & STP Manintenance	20.0
4.0	Land Environment	
4.1	Additional Plantation Activities	Included in 1.1

4.2	Solid waste management	10.0
4.3	Soil sampling/monitoring	5.0
5.0	Biological Environment	
5.1	Additional Plantation Activities	Included in 1.1
6.0	Marine Environment	
6.1	Shoreline monitoring & Oil spill management	60
	Budget for EMP (Recurring Cost per Annum)	210.0

Details of CER Budget with break-up activity

Sl. No.	Activities as per public consultation	Allocated Budget (In Crores)
1.	Education and Skill Development for Local Youths/ peoples	3.0
2.	Abatement in environmental pollution for surrounding areas/villages	4.0
3.	Additional Plantation, Rainwater Harvesting & Pond Rejuvenation etc.	3.0
4.	Improvement of Healthcare Facilities in surrounding villages of the project site	10.0
5.	Providing infrastructure facilities in local schools	4.0
6.	Support in Infrastructure development/Road repairing/ de-silting of drainage network	4.0
7.	Solar Electrification and solid waste management in surrounding village areas	2.0
8.	Drinking Water facilities for surrounding villages	10.16
Total Expense (Rs. in Crores)		40.16

During deliberation, the Committee noted the following:

- EAC inquired about the inclusion of the existing and proposed sub-sea pipelines within the scope of the Oil Spill Response (OSR) Center located at Jawahar Dweep, Mumbai Port Authority. In response, the project proponent (PP) conveyed that following the issuance of the Environmental Clearance (EC), the industry will establish a Memorandum of Understanding (MoU) with the aforementioned Oil Spill Response Center. In this regard PP has confirmed that OSR Tier-1 facility is available round the clock for handling the Oil spill emergencies in Mumbai harbor including Marine Oil Terminal (MOT) for

the existing sub-sea pipelines which is being maintained by Mumbai Port Authority through third party M/s Sadhav Shipping Company. Oil spill contingency plan for any potential leakage commensurate to the risk of the spill was submitted. Further, PP has also submitted an undertaking that proposed sub-sea pipelines in this project shall also be covered under the Oil Spill Management Plan prior to commissioning of the project.

- The committee found the baseline data submitted by the consultant adequate. However, the committee observed that the project proposal got delayed due to inefficiency of the consultant and poor recordkeeping of the raw baseline data. Therefore, the committee suggested that the accredited consultant M/s. Engineers India Limited (NABET certificate no. NABET/EIA/1922/RA0189_Rev01 and validity 22/11/2023) may be referred to QCI/NABET for assessing the training requirement and capacity building with emphasis on baseline data collection including methodology for monitoring of environmental attributes including site selection as well as ensuring quality of data collected from the third party.

The committee was satisfied with the response provided by PP on above information. Further, Committee desired to submit the above information in writing. Accordingly, PP has submitted the desired information and EAC found the information/commitments satisfactory.

The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with the EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental & CRZ Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has

found the baseline data is within NAAQ standards. The Committee has deliberated the action plan proposed by the project proponent to arrest the incremental GLC due to the project. The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have **recommended** for grant of Environmental & CRZ Clearance.

The Committee noted that as per the extant rules of the Ministry, the projects involving Environmental & CRZ clearance needs to be examined as per the CRZ Notification, 2011/2019. The Committee has taken cognizance of the recommendations of the MCZMA for CRZ clearance.

The Environmental & CRZ Clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

The EAC, after detailed deliberations, **recommended** the project for grant of Environmental & CRZ Clearance, subject to compliance of terms and conditions as under, and general terms of conditions at Annexure: -

- (i). PP shall comply with all the conditions stipulated in the recommendations of MCZMA issued vide its letter no. CRZ 2019/CR 153/TC 4 dated 19.11.2019 for grant of CRZ Clearance.
- (ii). All the commitments made to the public during public hearing/public consultation meeting held on 24.09.2019 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.

- (iii). Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, shall be obtained from the State Pollution Control Board.
- (iv). The steam generation boiler shall use clean natural gas from RLNG. Stack height of 50 m shall be provided with boiler to disperse gaseous emission.
- (v). Heaters/furnaces/boiler shall be provided with Low NOx burners to reduce the emissions of Nitrogen Oxides.
- (vi). Gas detectors shall be provided in areas of the plant to detect any hydrocarbon leakage.
- (vii). A new demountable smokeless flare system shall be installed. The flare elevation and location shall be such so that there is no impact of thermal radiation on the operating personnel in the plant.
- (viii). Total fresh water requirement shall not exceed 375 cum/hr and proposed to be met from Maharashtra Industrial Development Corporation supply. Prior permission in this regard shall be obtained from the concerned regulatory authority.
- (ix). Total wastewater generation from the proposed plant shall not exceed 160 m³ /h. Wastewater shall be treated in the Effluent Treatment Plant with tertiary treatment. Treated effluent shall be recycled/reused for cooling tower make up, process water, horticulture etc and no effluent/treated water shall be discharged outside the plant premises and Zero Liquid Discharge system shall be maintained.
- (x). Process effluent/any wastewater shall not be allowed to mix with storm water. The stormwater from the premises shall be collected and discharged through a separate conveyance system.
- (xi). As proposed, Waste oil from Tri Ethyl Aluminum (TEAL) contaminated systems shall be treated and incinerated. Incinerator shall be designed

as per CPCB guidelines. Regular stack monitoring shall be carried out for parameters as per CPCB standards.

- (xii). Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.
- (xiii). To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- (xiv). Solvent management shall be carried out as follows:-
 - a) Reactor shall be connected to chilled brine condenser system.
 - b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.
 - c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery.
 - d) Solvents shall be stored in a separate space specified with all safety measures.
 - e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
 - f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.
 - g) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (xv). Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.
- (xvi). The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

(xvii). The company shall undertake waste minimization measures as below:-

- a) Metering and control of quantities of active ingredients to minimize waste.
- b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
- c) Use of automated filling to minimize spillage.
- d) Use of Close Feed system into batch reactors.
- e) Venting equipment through vapour recovery system.
- f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(xviii). The green belt of at least 5-10 m width shall be developed in nearly 33 % of the total project area with tree density @ 2500 trees per hectares, mainly along the plant periphery. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Saplings 4-6 feet high shall be planted. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt development shall be completed before commissioning of the plant.

(xix). As proposed, Rs. 40.16 crores shall be allocated for Corporate Environment Responsibility(CER). The activities shall include providing Educational infrastructure, Water conservation, Skill Development, Health & Hygiene and other issues raised during public hearing/consultation.

(xx). For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. The acoustic chambers/barriers should be provided for individual units wherever feasible in the compressor stations.

(xxi). The unit shall make the arrangement for protection of possible fire hazards in material handling. Fire-fighting system shall be as per the norms. The company shall obtain all requisite clearances for fire safety

and shall comply with the stipulation made by the respective authorities.

- (xxii). Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. The workers camp should have arrangement for safe drinking water, hygienic kitchen and sanitation facilities. The wastewater should be properly treated before disposal.
- (xxiii). The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- (xxiv). PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground. A dedicated team to oversee environment management shall be setup which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis. Any non- compliance or infringement should be reported to the concerned authority.
- (xxv). PP shall conduct third party audit of compliance of EC conditions at an interval of 1 year and its report shall be submitted to IRO, MoEF&CC.
- (xxvi). A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- (xxvii). Process safety and risk assessment studies shall be further carried out using advanced models, and the mitigating measures shall be undertaken accordingly.

Conditions for pipelines project

- (xxviii). The project authority shall ensure restoration of the Right of Way to preconstruction level as soon as construction activity completed. To

ensure prevention of soil erosion, backfilled areas should be properly compacted.

- (xxix). SCADA system shall be installed with dedicated optical fiber based telecommunication link for safe operation of pipeline and leak detection system.
- (xxx). Intelligent pigging facilities shall be provided for the entire pipeline system for internal corrosion monitoring. Coating and impressed current cathodic protection system shall be provided to prevent external corrosion.
- (xxxi). All the recommendations mentioned in the risk assessment report shall be implemented and Emergency response plan shall be based on guideline prepared by OISD.
- (xxxii). The construction of pipelines through the waterbodies shall be avoided during the rainy season/ breeding seasons of aquatic animals.
- (xxxiii). Annual safety audit shall be carried out for the initial three years by an independent agency (OISD/PNGRB/DGMS etc.) and report submitted to this Ministry for ensuring the strict compliance of safety regulations on operation and maintenance.
- (xxxiv). The construction of pipeline particularly at the river and stream crossing shall be done during dry seasons to avoid disturbance of breeding seasons and soil erosion. The riverbed, embankments and / dykes shall be restored adequately after installation of crossings.
- (xxxv). Pipeline wall thickness and minimum depth of burial at river crossings and casings at rails, major road crossings shall be in conformity with ANSI/ASME requirements.
- (xxxvi). The PP shall follow horizontal drilling technique for laying of pipeline while passing through major rivers.
- (xxxvii). The project authorities shall patrol and inspect the pipeline regularly for detection of faults as per OISD/ PNGRB guidelines and continuous monitoring of pipeline operation by adopting non-destructive method(s) of testing as envisaged in the EMP. Pearson survey and continuous potential survey shall be carried out at regular intervals to ensure the adequacy of cathodic protection system.



- (xxxviii). Necessary approvals from Chief Controller of Explosives must be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans shall be prepared and implemented.
- (xxxix). PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.

Agenda No. 02

Expansion of Molasses based Distillery (30 to 300 KLPD) using C / B Heavy Molasses/ Cane Syrup for Ethanol Production along with 6 MW Captive Power Generation, Enhancement in Cane crushing (3,500 to 7,500 TCD) by M/s. Nira Bhima Sahakari Sakhar Karkhana Ltd. (NBSSKL); At: Shahajinagar, PO: Redni, Tal.: Indapur, Dist.: Pune, Maharashtra State - Consideration of Environmental Clearance.

[IA/MH/IND2/413481/2023, IA- J-11011/197/2008-IA-II(I)]

This proposal was earlier considered by the EAC (Ind-2) in its Meeting ID: Meeting ID: IA/IND2/13444/13/02/2023 held on 13th February, 2023 wherein EAC deferred the proposal and desired certain requisite information/inputs. Information desired by the EAC and responses submitted by the project proponent is as under:

No.	ADS by MoEFCC	Reply by PP
1.	Bio composting shall be abandoned in the existing plant within 2 years. PP shall provide commitment	The practice of Spent wash treatment through bio- composting process for existing 30 KLPD Distillery will be discontinued within next 2 years (i.e. by year 2025) after completion of distillery expansion project (30-300 KLPD) implementation. Subsequently, for spent wash treatment to be generated from the entire 300 KLPD distillery; spentwash incineration will be done (in dedicated incineration boiler) after concentration of the raw spentwash in MEE.

ANNEXURE-11

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xiii

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that, layout plan of the proposal will not be changed without prior approval of Central Government.


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-12

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xiv

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that no labour camp shall be established on the forest land.

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORPORATION LTD.
1st Floor, Annex Building, E-Office, Mahul,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xv

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that, Sufficient firewood, preferably the alternate fuel, shall be provided by the User Agency to the labourer after purchasing the same from the State Forest Department or the Forest Development Corporation or any other legal source of alternate fuel.


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-14

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xvi

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that, the boundary of the diverted forest land shall be suitably demarcated on the ground at the project cost, as per the directions of the concerned Divisional Forest Officer.


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mandri, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai

Date: 11/09/2023

Yashwant Pawar

Senior Manager, Projects (Pipelines)

Bharat Petroleum Corporation Limited

MOBILE NO. 9869370970

E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-15

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xvii

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that, no additional or new path will be constructed inside the forest area for transportation of construction materials for execution of the project work.

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORPORATION LIMITED
1st Floor, Annex Building, Borealis Building,
Mahul, Chembur, Mumbai - 400 044
Mobile : 98693 70970



Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xviii

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that, the Period of diversion under this approval shall be co-terminus with the period of lease to be granted in favor of the user agency or the project life, whichever is less.

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-17

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xix

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that, the forest land shall not be used for any purpose other than that specified in the project proposal.


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, B.P. Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. : - FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xx

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that, the forest land proposed to be diverted shall under no circumstances be transferred to any other agencies, department, or person without prior approval of Govt. of India.


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai

Date: 11/09/2023

Yashwant Pawar

Senior Manager, Projects (Pipelines)

Bharat Petroleum Corporation Limited

MOBILE NO. 9869370970

E-MAIL: pawaryp@bharatpetroleum.in

mrpl.bpcl@gmail.com

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. :- FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xxi

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that, Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as per the MOEF&CC Guideline F.No. 11-42/2017-FC dt 29/01/2018.


Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com

ANNEXURE-20

Full Title of the Project: - "DIVERSION OF 22.9648 HECTARES OF FOREST LAND IN FAVOUR OF, BHARAT PETROLEUM CORPORATION LIMITED, MUMBAI FOR INSTALLATION OF POLYPROPYLENE UNIT AT RASAYANI AND CONSTRUCTION OF UNDERGROUND PETROLEUM PIPELINES WITH OFC AND ITS ASSOCIATED FACILITIES FROM MAHUL (MUMBAI SUBURBAN DISTRICT) TO RASAYANI (RAIGAD DISTRICT) IN THE STATE OF MAHARASHTRA

Proposal No. :- FP/MH/Pipeline/39455/2019

Forest Land Proposed for Diversion: - 22.9648 hectares.

UNDERTAKING FOR CONDITION NO. xxii

Bharat Petroleum Corporation Limited, the user agency, hereby undertakes that, we will accept Any other condition that the Ministry of Environment, Forest & Climate Change may stipulate from time to time in the interest of conservation, protection, and development of forests & wildlife.

Yashwant Pawar
Sr. Manager
Rasayani Pipelines Project
BHARAT PETROLEUM CORP. LTD.
1st Floor, Annex Building, BPCL Refinery,
Mahul, Chembur, Mumbai - 400 074.
Mobile : 98693 70970

Place: Mumbai
Date: 11/09/2023

Yashwant Pawar
Senior Manager, Projects (Pipelines)
Bharat Petroleum Corporation Limited
MOBILE NO. 9869370970
E-MAIL: pawaryp@bharatpetroleum.in
mrpl.bpcl@gmail.com