



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date:February 10, 2018

To,
M/s Bharat Petroleum Corporation Limited
at Survey No.1

Subject: Environment Clearance for Proposed Green Field POL Terminal by M/s BPCL
Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 145th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 114th meetings.


2. It is noted that the proposal is considered by SEAC-I under screening category Industrial Project Categorised as 6(b) as per EIA Notification 2006 as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Proposed Green Field POL Terminal by M/s BPCL
2.Type of institution	TOR
3.Name of Project Proponent	M/s Bharat Petroleum Corporation Limited
4.Name of Consultant	ULTRA-TECH (Environmental Consultancy and Laboratory)
5.Type of project	Industrial Project Categorised as 6(b) as per EIA Notification 2006 and its further amendments
6.New project/expansion in existing project/modernization/diversification in existing project	New
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA
8.Location of the project	Survey No.1
9.Taluka	Haveli
10.Village	Tarde
11.Whether in Corporation / Municipal / other area	Pune Metropolitan Regional Development Authority (PMRDA)
12.IOD/IOA/Concession/Plan Approval Number	We are PESO approved
	IOD/IOA/Concession/Plan Approval Number: We are PESO approved
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	27.5 hectares
16.Deductions	NA
17.Net Plot area	27.5 hectares

SEIAA Meeting No: 114 Meeting Date: February 1, 2018 (SEIAA-STATEMENT-000000261)
SEIAA-MINUTES-000000238
SEIAA-EC-000000171

Page 1 of 13


Shri. Anil Diggikar (Member Secretary SEIAA)

18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): NA
	Non FSI area (sq. m.): NA
	Total BUA area (sq. m.): NA
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.):
	Approved Non FSI area (sq. m.):
	Date of Approval:
19.Total ground coverage (m2)	NA
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA
21.Estimated cost of the project	2670000000



Government of Maharashtra

22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Ethanol	0	2 X 1348	2696
2	Motor spirit	0	8 X 5429	43432
3	High speed diesel	0	8 X 7148	57184
4	Biodiesel	0	2 x1348	2696
5	SKO	0	2 X 846	1692
6	SLOP	0	1 no. 100	100
7	HSD	0	1 no.20 and 1 no. 100	120
8	SKO	0	1 no. 100	100
9	ATF	0	4 x 3359	13436

23. Total Water Requirement

Dry season:	Source of water	Local body
	Fresh water (CMD):	20
	Recycled water - Flushing (CMD):	12
	Recycled water - Gardening (CMD):	30
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	62
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	12000
	Excess treated water	0
Wet season:	Source of water	Local body
	Fresh water (CMD):	20
	Recycled water - Flushing (CMD):	12
	Recycled water - Gardening (CMD):	0
	Swimming pool make up (Cum):	0
	Total Water Requirement (CMD) :	32
	Fire fighting - Underground water tank(CMD):	0
	Fire fighting - Overhead water tank(CMD):	12000
	Excess treated water	0

Details of Swimming
pool (If any)

Not applicable



Government of Maharashtra

**SEIAA Meeting No: 114 Meeting Date: February 1, 2018 (SEIAA-
STATEMENT-000000261)
SEIAA-MINUTES-000000238
SEIAA-EC-000000171**

Page 4 of 13


**Shri. Anil Diggikar (Member Secretary
SEIAA)**

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Fresh water requirement	0	20	20	0	2	2	0	18	18
Industrial Process	0	10	10	0	10	10	0	0	0
Domestic	0	10	10	0	2	2	0	8	8
Gardening	0	10	10	0	0	0	0	0	0

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	6 To 10m
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
	Quantity of recharge pits:	NA
	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (O & M cost) :	NA
	Details of UGT tanks if any :	Underground Storage tanks are provided HSD -100M3, SJO 100M3, MS 100M3 AND SLOP 20M3

26.Storm water drainage	Natural water drainage pattern:	North To South
	Quantity of storm water:	NA
	Size of SWD:	As needed

27.Sewage and Waste water	Sewage generation in KLD:	5
	STP technology:	Septic Tank followed by Soak Pit
	Capacity of STP (CMD):	NA
	Location & area of the STP:	As per layout
	Budgetary allocation (Capital cost):	5Lacs
	Budgetary allocation (O & M cost):	1 lac

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	23 kd/day
	Disposal of the construction waste debris:	used within premises
Waste generation in the operation Phase:	Dry waste:	167 kg/day
	Wet waste:	7 kg/day
	Hazardous waste:	5 MT/year
	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	used as manure
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Sent to authorized contractor
	Wet waste:	Treated in composting machine
	Hazardous waste:	Sent to authorized contractor
	Biomedical waste (If applicable):	Not applicable
	STP Sludge (Dry sludge):	Used as manure
	Others if any:	Sent to authorized contractor
Area requirement:	Location(s):	10m ²
	Area for the storage of waste & other material:	5m ²
	Area for machinery:	5m ²
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	7Lacs
	O & M cost:	1.5lacs

Government of
Maharashtra

29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	PH	-	5.5 to 7.5	7.5 to 8	7.5 to 8
2	TSS	mg/lit	100	<100	<100
3	BOD	mg/lit	500	<100	<100
4	COD	mg/lit	800	<250	<250
5	TDS	mg/lit	400	<200	<200
6	Oil & grease	mg/lit	20	<10	<10
Amount of effluent generation (CMD):		8			
Capacity of the ETP:		Oil Water Separator of 55 m ³ /hr			
Amount of treated effluent recycled :		As recovered from OWS			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		Oil Water Separator			
Disposal of the ETP sludge		Shall be sent to CHWTSDF			



**Government of
Maharashtra**

30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Oil water sludge	34.3	MT	0	5 MT/year	5 MT/year	CHWTSDF/Bio remediation

31. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Attached to DG set	Diesel 240 L/D	1	5.5 ABOVE ROOP	0.3	160

32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	0	240	240

33. Source of Fuel: Authorized supplier

34. Mode of Transportation of fuel to site: By road

35. Energy

Power requirement:	Source of power supply :	Maharashtra State Electricity Distribution Co. Ltd (MSEDCL)
	During Construction Phase: (Demand Load)	33/22KV, HT Incoming supply will be sourced from State Electricity Board
	DG set as Power back-up during construction phase	1x750 KVA
	During Operation phase (Connected load):	same as above
	During Operation phase (Demand load):	same as above
	Transformer:	NA
	DG set as Power back-up during operation phase:	1x750 KVA
	Fuel used:	HSD
Details of high tension line passing through the plot if any:	NA	

Energy saving by non-conventional method:

Not applicable

36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
---------------	------------------------------	----------

1	NA	NA
---	----	----

37.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air	Not applicable	Adequate Stack height will be provided for DG set
waste water	Not applicable	Oil Water Separator will be provide, Sewage Treated
Noise	Not applicable	Acoustic enclosure will be provided for DG sets,
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

38.Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Expenditure of environment magement	Air, water, Noise & Labour	As per requirment


b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Expenditure of environment magement	Environment asoects	As per requirment	As per requirment

39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Ethanol	Proposed	As per layout	2X1365	2730KL	As per requirement	-	By rail
Motor spirit	Proposed	As per layout	3X5500	1650D	As per requirement	-	By rail
Hihgh speed diesel	Proposed	As per layout	3X7250	21750	As per requirement	-	By rail
Biodiesel	Proposed	As per layout	2x1365	2730	As per requirement	-	By rail
SKO	Proposed	As per layout	2X85B	1716	As per requirement	-	By rail
SLOP	Proposed	As per layout	1no. 10010	10010	As per requirement	-	By rail
Hihgh speed diesel	Proposed	As per layout	1no.20 Btrd 1no. 100KL	120	As per requirement	-	By rail
SKO	Proposed	As per layout	1no. 100	10010.	As per requirement	-	By rail

40.Any Other Information

<p>SEIAA Meeting No: 114 Meeting Date: February 1, 2018 (SEIAA-STATEMENT-000000261) SEIAA-MINUTES-000000238 SEIAA-EC-000000171</p>	<p>Page 9 of 13</p>	 Shri. Anil Diggikar (Member Secretary SEIAA)
---	---------------------	--



Government of Maharashtra

	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	Industrial Project Categorised as 6(b) as per EIA Notification 2006
	Court cases pending if any	NA
	Other Relevant Informations	There is no manufacturing process involved in the Depot. The Rail Fed POL Depot shall be handling and storing various finished petroleum products
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 114th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	PP to submit list of trees to be planted in green belt area and provide drip irrigation facilities to ensure maximum survival of the trees/plants.
II	PP shall submit an undertaking to limit their water requirement to 22 KL/D.
III	PP to provide Sewage Treatment Plant as agreed during appraisal for the treatment of domestic sewage.
IV	PP to submit disaster management plan with the budget and share it with the district administration
V	Rain water harvesting structures to be included in the layout since there is no surface or ground water available to the PP on site.
VI	A minimum of 5% of the total energy consumed by the project will be solar generated.

General Conditions:

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	73 TPH boiler should have stack height of 68m and flue gases shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.
III	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
IV	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
V	Proper Housekeeping programmers shall be implemented.
VI	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
VII	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VIII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
IX	Arrangement shall be made that effluent and storm water does not get mixed.
X	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
XI	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.

XII	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XIII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XIV	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
XV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XVI	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVII	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVIII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
XIX	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XXI	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXII	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXIII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIV	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXVI	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SECRETARY MOEF & CC
2. IA- DIVISION MOEF & CC
3. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
4. REGIONAL OFFICE MOEF & CC NAGPUR
5. MUNICIPAL COMMISSIONER PUNE
6. MUNICIPAL COMMISSIONER SATARA
7. REGIONAL OFFICE MPCB PUNE
8. REGIONAL OFFICE MIDC PUNE
9. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
10. COLLECTOR OFFICE PUNE
11. COLLECTOR OFFICE SATARA
12. COLLECTOR OFFICE SOLAPUR

Government of
Maharashtra