



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: January 3, 2019

To,
Bharat Petroleum Corporation Limited (BPCL)
at Survey no 18-27 of Nagapur, Panewadi, Manmad Nandgaon Road, Manmad - 423104.

Subject: Environment Clearance for Proposed Capacity Expansion of BPCL Manmad Installation at Panewadi, Manmad, Maharashtra.

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 155th 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 146th meetings.


2. It is noted that the proposal is considered by SEAC-I under screening category 6(b) Isolated storage & Handling of Hazardous chemicals as per EIA Notification 2006.

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

1.Name of Project	Proposed Capacity Expansion of BPCL Manmad Installation at Panewadi, Manmad, Maharashtra.
2.Type of institution	Semi Government
3.Name of Project Proponent	Bharat Petroleum Corporation Limited (BPCL)
4.Name of Consultant	ABC Techno Labs India Pvt Ltd. Head Office: #400, 13th Street, SIDCO Industrial Estate (North Phase), Ambattur - 600 098, Chennai ; Regional Office: A355, Balaji Bhavan, Plot No. 42 A, Sector 11, CBD Belapur, Navi Mumbai - 400614, Maharashtra.
5.Type of project	Others
6.New project/expansion in existing project/modernization/diversification in existing project	Product Storage Capacity expansion by construction of three additional tanks: 1 x 858 KL (for Ethanol) & 2 x 3,415 KL each (for Biodiesel).
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	The existing petroleum installation was established prior of EIA Notification 2006. The plant regularly practices the conditions laid by the PCB
8.Location of the project	Survey no 18-27 of Nagapur, Panewadi, Manmad Nandgaon Road, Manmad - 423104.
9.Taluka	Nandgaon
10.Village	Panewadi, Manmad
Correspondence Name:	Mr. Nikhil Zanvar
Room Number:	NA
Floor:	NA
Building Name:	BPCL Manmad Installation
Road/Street Name:	Manmad - Nandgaon road
Locality:	NA
City:	Manmad
11.Whether in Corporation / Municipal / other area	Others

SEIAA Meeting No: 146 Meeting Date: December 5, 2018 (SEIAA-
STATEMENT-0000000825)
SEIAA-MINUTES-0000000781
SEIAA-EC-0000000576

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Shri. Anil Diggikar (Member Secretary
SEIAA)

12.IOD/IOA/Concession/Plan Approval Number	Not Applicable
	IOD/IOA/Concession/Plan Approval Number: Not Applicable
	Approved Built-up Area:
13.Note on the initiated work (If applicable)	No work will be initiated without obtaining Environmental Clearance
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	226 acres
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.):
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)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	158500000

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22. Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Motor Spirit	85460.2 KL	0	85460.2 KL
2	High Speed Diesel	234445 KL	0	234445 KL
3	Super Kerosene Oil	16700 KL	0	16700 KL
4	Ethanol	400 KL	858 KL	1258 KL
5	Bio Diesel	0	6830 KL	6830 KL
23. Total Water Requirement				
Dry season:	Source of water	Bore well		
	Fresh water (CMD):	Not applicable		
	Recycled water - Flushing (CMD):	Not applicable		
	Recycled water - Gardening (CMD):	Not applicable		
	Swimming pool make up (Cum):	Not applicable		
	Total Water Requirement (CMD) :	Not applicable		
	Fire fighting - Underground water tank(CMD):	Not applicable		
	Fire fighting - Overhead water tank(CMD):	Not applicable		
	Excess treated water	Not applicable		
Wet season:	Source of water	Bore well		
	Fresh water (CMD):	Not applicable		
	Recycled water - Flushing (CMD):	Not applicable		
	Recycled water - Gardening (CMD):	Not applicable		
	Swimming pool make up (Cum):	Not applicable		
	Total Water Requirement (CMD) :	Not applicable		
	Fire fighting - Underground water tank(CMD):	Not applicable		
	Fire fighting - Overhead water tank(CMD):	Not applicable		
	Excess treated water	Not applicable		
Details of Swimming pool (If any)	Not applicable			

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	15	0	15	0	0	0	5.8	0	5.8

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	5m -10m
	Size and no of RWH tank(s) and Quantity:	2 tank = 50 X 50 m and 16 X 9 m
	Location of the RWH tank(s):	Back side of existing tank farm area
	Quantity of recharge pits:	01
	Size of recharge pits :	2m x 3m
	Budgetary allocation (Capital cost) :	100000
	Budgetary allocation (O & M cost) :	20000
	Details of UGT tanks if any :	-

26.Storm water drainage	Natural water drainage pattern:	Natural water drainage pattern is preserved
	Quantity of storm water:	-
	Size of SWD:	NA

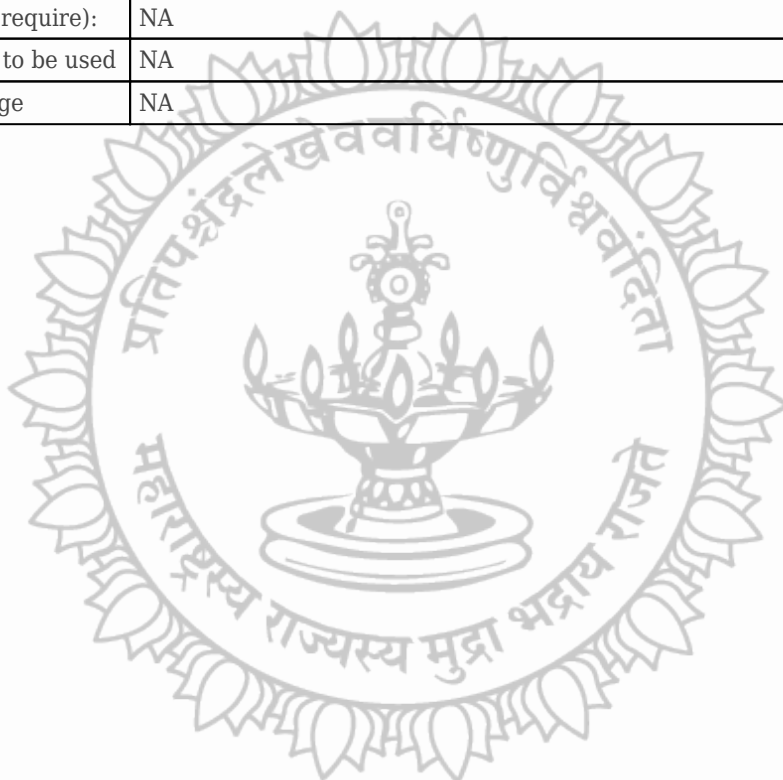
27.Sewage and Waste water	Sewage generation in KLD:	5.8 KLD
	STP technology:	Soak pit and and septic tanks are provided for discharge of domestic sewage.
	Capacity of STP (CMD):	Not Applicable
	Location & area of the STP:	Not Applicable
	Budgetary allocation (Capital cost):	Not Applicable
	Budgetary allocation (O & M cost):	Not Applicable

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	The solid waste generation on the proposed site will be due to the various construction materials like cement, brick, steel, sand stone, paint and varnishes.
	Disposal of the construction waste debris:	Most of the construction materials like soil, bricks, concrete will be reused for back filling and road construction works and metal scraps will be sold to metal recyclers
Waste generation in the operation Phase:	Dry waste:	paper , cartons, plastics etc - 4 kg approx.
	Wet waste:	Biodegradable canteen waste -8 kg approx.
	Hazardous waste:	spent batteries , waste oil , empty drums of oil/ chemicals , fluorescent tubes , 165 KL/annum tank bottom sludge (once in 5 years)
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Handed over to authorized vendor or disposed as per applicable MSW rules 2016
	Wet waste:	The composted waste will be used as manure .
	Hazardous waste:	Total tank bottom sludge thus generated is sent to CHWTSDf Pune.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	NA
Area requirement:	Location(s):	133.44 acres
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA
	O & M cost:	NA

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29.Effluent Charecterestics					
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	NA	NA	NA	NA	NA
Amount of effluent generation (CMD):		NA			
Capacity of the ETP:		NA			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			
Membership of CETP (if require):		NA			
Note on ETP technology to be used		NA			
Disposal of the ETP sludge		NA			



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30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Tanks Bottom Sludge	Hazardous	KL/Annum	160	165	165	Once in 5 years to CHWTSDf (Pune)

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	2 x 630 kVA, 1 x 300 kVA, 1 x 250 kVA	HSD	4	7	0.15	70 degree

32.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	HSD	2 x 630 kVA, 1 x 300 kVA, 1 x 250 kVA	0	70 L/ Hr for 630 KVA, 40 L/Hr for 250 KVA, 50 L/Hr FOR 300 KVA DG set.

33.Source of Fuel	From Petroleum retail outlets
34.Mode of Transportation of fuel to site	By Roadways

35.Energy		
Power requirement:	Source of power supply :	Maharashtra State Electricity Board 1150 kVA
	During Construction Phase: (Demand Load)	1150
	DG set as Power back-up during construction phase	1 x 125 kVA capacity
	During Operation phase (Connected load):	1150
	During Operation phase (Demand load):	-
	Transformer:	-
	DG set as Power back-up during operation phase:	Existing DGs 2 X 630 KVA, 1 X 250 KVA, 1 X 300 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	-

Energy saving by non-conventional method:	
NA	

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				
NA	NA		NA				
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	Existing DGs 2 X 630 KVA, 1 X 250 KVA, 1 X 300 KVA	Dust	0.5				
2	Hygiene & Sanitation	Worker Health	2				
3	Environmental Monitoring	Air, Water, Soil Noise sampling & testing	0.5				
4	Medical Health check up of workers	Worker Health	0.5				
5	-	-	-				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Air/ Noise Pollution Control	Dust suppression , acoustic enclosure , vapour recovery system for tanks	3	0.3			
2	Water pollution control/rain water	-	1	0.3			
3	Occupational Health	Routine health check up	0.5	0.1			
4	Solid Waste Management	-	0.5	0.1			
5	Green Belt Development	Tree plantation and green area development	1	0.5			
6	Environmental Monitoring	Air, water, noise sampling	0.5	0.2			
39.Storage of chemicals (inflamable/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
NA	NA	NA	NA	NA	NA	NA	NA
40.Any Other Information							



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	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	None in 10 KM radius of the plant area
	Category as per schedule of EIA Notification sheet	6(b) Isolated storage & Handling of Hazardous chemicals
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	19-05-2016

3. The proposal has been considered by SEIAA in its 146th 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 obtain permission from competent Authority to draw ground water.
II	PP to identify the sources of noise pollution and take measures to reduce noise level on site like provision of acoustic enclosures, isolation of noise making equipment, etc.
III	PP to submit ground water withdrawal permission and water usage details.
IV	PP stated that 80 % of energy is generated through solar, pp to submit details of energy saving calculations.
V	PP to submit CER plan to District Collector and acknowledgment to be submitted to Member Secretary, SEIAA.

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	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
IV	Proper Housekeeping programmers shall be implemented.
V	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.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.
IX	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.
X	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.
XI	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.

XII	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.
XIII	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.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XV	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVI	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.
XVII	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.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XIX	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
XX	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
XXI	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.
XXII	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.
XXIII	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.
XXIV	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.
XXV	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.

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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. REGIONAL OFFICE MPCB NASHIK
6. REGIONAL OFFICE MIDC NASHIK
7. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
8. COLLECTOR OFFICE AHMEDNAGAR
9. COLLECTOR OFFICE JALGAON
10. COLLECTOR OFFICE DHULE
11. COLLECTOR OFFICE NANDURBAR
12. COLLECTOR OFFICE NASHIK