

Ref: HSE/EP/MoEF/18

1st Jun, 2018

Dr. B.B Barman
Director, Ministry of Environment and Forests
Regional Office, Western Region
Kendriya Paryavaran Bhavan
E-5, Ravi Shankar Nagar
Bhopal – 462016 (MP)

Sub: Status of EC conditions for Resid Upgradation, GT-6, BS-IV & BS-VI Project at Gujarat Refinery

Dear Sir

The compliance status of Environmental Compliance conditions specified in EC letter of the subject projects is enclosed herewith, for your kind information.

Thanking You,



S. Ray Choudhuri
Deputy General Manager (HSE)
Gujarat Refinery

સુભાષ ચૌધરી
SOU
Deputy General Manager (HSE)
ગુજરાત રીફાઇનરી, પી.સી.સી., વડોદરા
Gujarat Refinery, P.C.S.I., Vadodara

Encl: As above

CC: The Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhavan
Sector – 10 A
Gandhinagar – 382021

**STATUS OF COMPLIANCE OF ENVIRONMENTAL STIPULATIONS MADE
BY MoEF WHILE ISSUING ENVIRONMENTAL CLEARANCE FOR RESID
UPGRADATION PROJECT**

.(LETTER NO. J-11011/35/2000-IA II (I) OF 27TH APRIL 2006)

S.N.	Stipulation	Compliance status as on 31.05.18
1	The total SO ₂ emission level from the unit after the proposed up gradation shall not exceed 940 kg/hr, which are less than the stipulated level of 982 kg/hr	Presently, 59 stacks exist at Gujarat Refinery. Total SO ₂ emissions from all these stacks remain in the range of 350-370 kg/hr for the period Nov 2017 to Apr 2018. Hence, it is complied.
2.1	The NO _x emission level shall be limited to 225 kg/hr which are less than the stipulated level of 256 kg/hr.	Presently, 59 stacks exist at Gujarat Refinery. Total NO _x emission from all these stacks is in the range of 200-220 kg/hr for the period Nov 2017 to Apr 2018 Hence, it is complied.
2.2	The company shall install low NO _x burners for all the proposed units.	All the new furnaces are provided with low NO _x burner
3.1	The total effluent generation shall not exceed 1110 m ³ /hr.	Total effluent generation for the period Nov 2017 to Apr 2018 is within 1110 m ³ /hr. For the period of Nov 2017 to Apr 2018, effluent generation remains in the range of 761-1026 m ³ /hr.
3.2	The fresh water consumption shall not exceed the existing requirement.	Industrial freshwater consumption for the period Nov 2017 to Apr 2018 is in the range of 1417-1548 m ³ /hr.
3.3	The additional water requirement if any shall be met through recycling of treated effluent.	There is no additional freshwater requirement.
4.1	It is noted that no hazardous sludge like oily waste shall be generated.	No hazardous waste is generated due to this project.
4.2	The spent catalyst shall be recycled back to the licensor and balance shall be disposed of in the secured landfill facility of M/s NECL, Nandesari.	Spent catalyst consisting of metal is sold to CPCB approved metal recyclers. Balance, if any, is disposed to M/s NECL. Spent Catalyst to NECL for the period Nov 2017 to Apr 2018: 211.361 MT
5	No further modernisation of project shall be carried out without prior permission of this Ministry	It is ensured that no further modernization of project shall be carried out without prior permission of this

S.N.	Stipulation	Compliance status as on 31.05.18
		Ministry
6	The company shall store LPG in mounded bullets and replace LPG spheres by mounded bullets.	All the Horton Spheres are replaced with Mounded Bullets.
7	Recommendations made in the risk assessment report shall be complied during design construction and operation stage to contain the risk within plant boundary	All the recommendations made in the RA have been taken care during design, construction and operation stage to contain the risk within plant boundary.

SUB: Compliance status of stipulations put by MoEF while according Environmental Clearance for GT-6/HRSG-6 project at Gujarat Refinery.

Ref: MoEF Letter No. J-11011/49/2015-IA-II (I) Dated 22.06.2015.

Compliance status of the conditions laid down by MoEF is furnished below.

A. SPECIFIC CONDITIONS:

Sr. No	Stipulations	Compliance Status (31.05.18)
1.	<p>a) The gaseous emissions from the additional GT-6/HRSG-6 shall be dispersed through stack of adequate height as per CPCB/GPCB guidelines.</p> <p>b) The stack emissions from various units shall conform to the standards prescribed under the Environment (Protection) Act.</p> <p>c) At no time, the emission levels shall go beyond the stipulated standards.</p> <p>d) In the event of failure of pollution control systems adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency of the pollution control device has been achieved.</p>	<p>a) The gaseous emissions from GT-6 is dispersed through a stack of 60 mts height as per CPCB/GPCB guidelines.</p> <p>b) The stack emissions conform to standards prescribed under Environment(Protection) Act.</p> <p>c) The emission levels remain within stipulated standards during normal operation of the plant.</p> <p>d) The unit has not adopted any pollution control system. Hence, it is not applicable for GT-6.</p>
2.	Additional fresh water requirement from Mahi	Total freshwater consumption for the period

River should not exceed 20 m³/hr.

May 2015 to July 2015 is as follows:

SR No.	Months	Intake from Mahi river (m ³ /hr)
1	May'2015	2617
2	Jun'2015	2400
3	Jul'2015	2153

Freshwater consumption has decreased in July 2015(post GT-6 Project) as compared to Jun 2015(pre GT-6 Project). Hence, it is complied.

For the period Nov 2018 to Apr 2018, total freshwater consumption remains in the range of 1957-2063 m³/hr.

3. Additional industrial effluent generation should not exceed 16 m³/hr. Additional effluent shall be treated in the CETP of Refinery.

The effluent generation for the period May 2015 to July 2015 is as follows:

Sr No.	Months	Effluent Generation (M ³ /hr)
1	May'2015	1119
2	Jun'2015	1126
3	Jul'2015	1120

Hence after the commissioning of GT-6(22.06.2015) the industrial effluent generation remains the same. So, it is complied.

Effluent generation for the period Nov 2017 to Apr 2018 is in the range 761-1026 m³/hr.

4. a) Automatic/online monitoring system (24*7 monitoring devices) for flow measurement and relevant pollutants in the tertiary system to be installed.
b) The data to be made available to the respective SPCB and in the Company's website.

a) Online monitoring of COD, TOC, flow, pH, Oil, BOD, TSS is available in the tertiary system..

b) Connectivity of pH, COD, BOD, TSS with GPCB/CPCB server has been completed by May'2016. Flow has been connected to CPCB server on 04.09.2017

5. All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.

No major recommendations in RA report of GT-6 unit.

Recommendations in disaster management plan like maintenance of ERDMP Records, roles & responsibilities of Functionaries of Onsite Emergency Plan etc. and safety guidelines have been implemented.

B. GENERAL CONDITIONS:

Sr. No	Stipulations	Compliance Status (31.05.2018)
1.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government and any other statutory authority.	Gujarat Refinery strictly adheres to the stipulations made by the Gujarat Pollution Control Board with respect to air, water, and hazardous waste.
2.	No further expansion or modernization in the plant should be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	We have applied to MoEF, New Delhi for installation and commissioning of upcoming BS-IV and BS-VI Project. No work shall be taken up till the Environment Clearance is obtained. So it is complied that no further expansion or modernization in the plant is carried out without prior approval of the Ministry of Environment and Forests.
3.	<p>a)The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous chemicals Rules, 2000 as amended subsequently.</p> <p>b)Prior approvals from Chief Inspectorate of factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable</p>	<p>a) Gujarat Refinery strictly complies with the rules and regulations under Manufacture, Storage and Import of Hazardous chemicals Rules, 2000.</p> <p>b) Relevant approvals from Chief Inspectorate of factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. has been obtained.</p> <p>Safety Report and Disaster Management Plan is sent to Chief Inspectorate of Factories.</p>
4.	The overall noise levels in and around the plant area should be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules 1989 viz. dBA (day time) and 70 dBA (night time).	Noise level is regularly monitored at plant and at periphery of the Refinery. Outside the plant it remains around 85 dBA. Within the plant, in some areas it is higher than 85 dBA. In that cases, ear plugs and ear muffs are compulsory for all the working personnels for maintaining noise level below 85 dBA.
5.	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	<p>Data enclosed as Annexure I.</p> <p>A separate Environmental Management Cell consisting of 13 officers(1 Chief General Manager, 1 General Manager,1 Deputy General Manager, 1 Chief Manager, 3 Manager, 2 Assistant Manager, 4 Process Engineers).</p>

		A full fledged NABL accredited laboratory with a separate environment section exists at Gujarat Refinery.
6	<p>a) Adequate funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures and shall be used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government alongwith the implementation schedule for all the conditions stipulated therein.</p> <p>b) The funds so provided shall not be diverted for any other purposes.</p>	<p>a) Adequate funds are available for implementation of the conditions stipulated by MoEF.</p> <p>b) This is ensured that these funds are not diverted for any other purposes</p>
7.	<p>a) The Regional Office of this Ministry/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions.</p> <p>b) A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.</p>	<p>a) Monthly reports containing water cess, treated effluent quality and stack reports is sent to GPCB. Last monthly report to GPCB was sent on 05.05.2018</p> <p>b) Six monthly compliance report is sent to MoEF, Bhopal. Last report to MoEF, Bhopal was sent on 1st Dec, 2017.</p>
8.	<p>a) A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.</p> <p>b) The clearance letter shall also be put on the website of the company by the proponent.</p>	<p>a) The EC letter was sent to Gram Panchayat on 26th Aug, 2015.</p> <p>b) Clearance letter was put up on Gujarat Refinery website (Sabarmati) on 2nd Jul' 2015.</p>
9.	<p>a) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of the monitored data on their website and shall update the same periodically.</p> <p>b) It shall simultaneously be sent to the Regional Office of the MoEF, the respective Zonal Office of CPCB and the SPCB.</p>	<p>a) The EC compliance report is regularly updated on the Company Website.</p> <p>b) EC compliance report is sent to MoEF, Bhopal. Last EC Compliance report was sent to MoEF, Bhopal on Dec 2017.</p>

<p>c) The criteria pollutant levels namely PM10, PM2.5, SO2, NOx, HC (Methane & Non-methane), VOCs (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>c) Real-time monitoring and manual monitoring of stack emissions and ambient air quality is done on regular basis.</p> <p>Manual monitoring on monthly basis is done by third party M/S Maxwell Engineers.</p> <p>SO2 and NOx emissions are also continuously displayed at the Refinery Gate Main entrance.</p>
<p>10. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry/CPCB/SPCB shall monitor the stipulated conditions.</p>	<p>Last EC compliance was sent to MoEF, Bhopal in Dec, 2017.</p>
<p>11. 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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MoEF by email.</p>	<p>Environment Statement for each financial year is submitted to GPCB, Gandhinagar with a copy to GPCB Regional Office.</p> <p>Last Environment Statement was sent on 26th Sep, 2017.</p> <p>The same has been updated on Company's website.</p>
<p>12. a) The project proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office.</p>	<p>a) Information regarding EC was published in two newspapers i.e. English newspaper and Gujrati newspaper on 7th July 2015.</p> <p>Copy of the advertisement was forwarded to GPCB, Vadodara on 27th Jul, 2015.</p>
<p>13. Project Authorities should inform the Regional</p>	<p>Date of capitalization of GT-6: 22.06.2015</p>

Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work

SUB: Compliance status of stipulations put by MoEF while according Environmental Clearance for BS-IV and BS-VI project at Gujarat Refinery.

Ref: MoEF Letter No. J-11011/96/2015-IA-II (I) Dated 20.03.2017.

Compliance status of the conditions laid down by MoEF is furnished below.

A. SPECIFIC CONDITIONS:

Sr. No	Stipulations	Compliance Status (31.05.18)
1.	All Pollution control and monitoring equipments shall be installed, tested and interlocked with the process, SPCB shall grant 'consent to Operate' after ensuring that all the mentioned pollution control equipments, construction of storm water drain, rain water harvesting structure, Green belt, uploading of compliance report on the website etc have been implemented.	<p>Gujarat Refinery will apply for Consent to Operate. It will be ensured that all pollution control and monitoring equipments are installed, tested and interlocked with the process.</p> <p>Storm water drain and rainwater harvesting structures already exist at Gujarat Refinery.</p> <p>3 fully developed green belts exist at Gujarat Refinery. Dense plantation is being carried out in our headworks area. Till Apr'2018 5500 saplings has been planted.</p> <p>Compliance report is regularly updated on GPCB Website.</p>
2.	SO ₂ emissions after expansion from the plant shall not exceed 900 kg/hr and further efforts shall be made for reduction of SO ₂ load through use of low sulphur fuel. Sulphur recovery units shall be installed for control of H ₂ S emissions.	<p>For the period Nov 2017 to Apr 2018, SO₂ emissions remain in the range 350-370 kg/hr.</p> <p>Reduction of SO₂ load is being achieved using low sulphur fuel. Sulphur recovery units are already in place to control H₂S emissions.</p>
3.	Ambient air quality data shall be collected as per NAAEQS standards notified by the Ministry vide	The National Ambient Air Quality Emission Standards issued by the

G.S.R. No. 826(E) dated 16th September, 2009. The Levels of PM₁₀, PM_{2.5}, SO₂, NO_x, VOC and Co shall be monitored in the ambient air emissions from the stacks and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the result of monitored data on its 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 state pollution Control Board (SPCB).

Ministry vide G.S.R. no. 826(E) dated 16th November, 2009 are being followed at Gujarat Refinery.

Real-time monitoring and manual monitoring of stack emissions and ambient air quality is done on regular basis.

Manual monitoring on monthly basis is done by third party M/S Maxwell Engineers.

SO₂ and NO_x emissions are also continuously displayed at the Refinery Gate Main entrance.

Monitoring report is regularly updated in the company website.

Stack monitoring report is sent to GPCB, Gandhinagar on monthly basis. Last stack monitoring report sent on 05.05.2018.

4. In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, Closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the SPCB.

Control measures for checking fugitive emissions from vulnerable sources have been provided.

All floating roof tanks are provided with primary and secondary seal.

All the pumps are having single as well as double mechanical seals to prevent VOC Emissions.

Gas detectors in all process units and tank farm area are present to detect gas leakage at minimum concentrations.

In addition to this, VOC emissions are monitored by VOC LDAR Programme.

5. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollutions.

DG sets are not available at Gujarat Refinery. Hence, the condition is not applicable.

6. The total fresh water requirement from Mahi River shall not exceed 60.07 MLD and prior permissions shall be obtained from the

Total freshwater requirement from Mahi River will remain within 60.07 MLD. No additional groundwater will be used

Competent Authority. No ground water shall be used without permission.	without prior permission. For the period Nov 2017 to Apr 2018, it ranges from 46.96 -49.51 MLD.
7. Waste water shall be sent to CETP and balanced quantity of treated effluent shall be discharge to Vadodara Enviro Channel Ltd. (VECL) which is finally discharged into Gulf of Khambat.	Wastewater from all process units are sent to CETP. Treated water from CETP is maximized in refinery operations. Remaining treated effluent is discharged to VECL.
8. Automatic/online monitoring system (24 X 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company's website.	a) Online monitoring system for flow measurement and relevant pollutants in the treatment system is already installed. b) Connectivity of online analysers for the relevant parameters with GPCB/CPCB server has been completed by May '2016.
9. Adequate odour management plan and its mitigation measure to be implemented on priority.	VOC LDAR Programme and Work Environment Monitoring for chemicals is being carried out regularly.
10. Regular VOC monitoring to be done at vulnerable points.	VOC LDAR Programme is being carried out by M/s. Ecotech Instruments for 14000 points per year. VOC Monitoring is done on regular basis.
11. The oily sludge shall be subjected to melting pit for oily recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.	The oily sludge is subjected to melting pit and oil recovery is done by M/s. Plantech. The residual sludge thereby generated is sent for bio-remediation. The sludge is stored in HDPE lined pit.
12. Comprehensive water audit to be conducted on annual basis and report to the concerned Regional Office of MEF&CC, from the report to be implemented for conservation scheme.	After completion of the project, water audit will be carried out and report will be sent accordingly.
13. Oil catchers / oil traps shall be provided at all possible locations in rain/ storm water drainage system inside the factory premises.	Oil catchers are provided at strategic locations in rain/storm water drainage system to prevent the possibility of oil contamination in storm water channel
14. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps.	Hazardous chemicals are stored in tanks, drums. Solvent transfer is being done by pumps in the process units.
15. The company shall Strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals (MSIHC) Rule, 1989 as amended time to time. All	Rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals (MSIHC) Rule, 1989 are being followed. Transportation of

	Transportation of Hazardous chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	Hazardous Chemicals are as per the Motor Vehicle Act, 1989.
16.	The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling Fire fighting system shall be as per the norms	Being followed at Gujarat Refinery.
17.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of workers are being done on regular basis and records are being maintained as per the Factories Act.
18.	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ECS) based on local needs and action plan with financial and physical breakup details shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.	Letter has been sent to ministry from Refinery Headquarters for waiving of the mandatory funds towards Enterprise Social Commitment(ECS) for all the IOCL Refineries vide Ref No. MOEFCC Corr/2017-18/1 dated 19.06.2017.
19.	All the commitments made during the public Hearing/public Consultation meeting held on 5.11.2016 should be satisfactorily implemented and adequate budget provision should be made accordingly.	Commitments made during Public Hearing meeting held on 05.11.2016 is being implemented.
20.	As proposed, green belt over 70 acres area shall be developed at Refinery Township area and dense plantation of around 21 acres shall be undertaken at Head works area. Selection of plant species shall be as per the CPCB guidelines in consultations with the DFO. Existing Green belt of 148 acres shall be maintained around the periphery of Refinery with a total of about 2,15,000 trees in the green belt.	70 acres green patch is available at JR township. Dense plantation is being carried out in our headworks area. Till Apr'2018 5500 saplings has been planted. Existing green belt of 148 acres is being maintained.

B. GENERAL CONDITIONS:

Sr. No.	Stipulations	Compliance Status (31.05.2018)
1.	The project authorities must strictly adhere to the stipulations made by the state Pollution control Board (SPCB), State Government and any other statutory authority.	Gujarat Refinery strictly adheres to the stipulations made by the Gujarat Pollution Control Board with respect to air, water, and hazardous waste.
2.	No further expansion of modifications in the	Gujarat Refinery shall apply to MoEF, New

	<p>plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environment protection measure required, if any.</p>
<p>3. The locations of ambient air quality monitoring stations shall be decided in consultation with the state pollution control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.</p>	<p>Delhi for installation and commissioning of any upcoming Project. No work shall be taken up till the Environment Clearance is obtained. So it is complied that no further expansion or modernization in the plant is carried out without prior approval of the Ministry of Environment and Forests.</p> <p>Presently 7 ambient air quality monitoring stations have been installed out of which 6 stations are surrounding the refinery and one monitoring station is in the Vadodara City. The monitoring station in the city was recommended by Gujarat Pollution Control Board(GPCB).</p>
<p>4. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. no. 826(E) dated 16th November, 2009 shall be followed.</p>	<p>The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. no. 826(E) dated 16th November, 2009 are being followed at Gujarat Refinery.</p>
<p>5. The overall noise levels in and around the plant area 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 conform to the standards prescribed under Environment (protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>Noise level is regularly monitored at plant and at periphery of the Refinery. Outside the plant it remains around 85 dBA. Within the plant, in some areas it is higher than 85 dBA. In that cases, ear plugs and ear muffs are compulsory for all the working personnels for maintaining noise level below 85 dBA.</p> <p>Data provided as Annexure I</p>
<p>6. The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.</p>	<p>Company has already installed 21 rainwater harvesting wells out of which 5 are rooftop harvesting wells. Additional 57 rooftop rainwater harvesting wells are being installed inside refinery battery limit as well as township.</p>
<p>7. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.</p>	<p>Training is being imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees are conducted on regular basis. Apart from this, Material Safety Datasheet(MSDS) of the chemicals is being displayed at all process units.</p>

<p>8. The company shall also comply with all the environmental protection measure and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.</p>	<p>Gujarat Refinery strictly adheres to all the environmental protection measure and safeguards proposed in the documents submitted to the Ministry. All recommendations made in the EMP and risk analysis reports have been implemented.</p>
<p>9. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.</p>	<p>CSR activities are done every year involving local villages and administration.</p>
<p>10. The company shall undertake co-developmental measures including community welfare measure in the project area for the overall improvement of the environment.</p>	<p>Being followed.</p>
<p>11. A Separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental Management and Monitoring functions.</p>	<p>A separate Environmental Management Cell consisting of 13 officers(1 Chief General Manager, 1 General Manager,1 Deputy General Manager, 1 Chief Manager, 3 Manager, 2 Assistant Manager, 4 Process Engineers).</p> <p>A full fledged NABL accredited laboratory with a separate environment section exists at Gujarat Refinery.</p>
<p>12. The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the condition stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.</p>	<p>a) Adequate funds are available for implementation of the conditions stipulated by MoEF.</p> <p>b) This is ensured that these funds are not diverted for any other purposes</p>
<p>13. A copy of the clearness letter shall be sent by the project proponent to concerned Panchayat, Zilaparisad/Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal.</p>	<p>A copy of EC letter has been sent to Gram Panchayats on 15.04.2017</p>

<p>14. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance 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 concerned SPCB. A copy of environmental clearance and six monthly compliance status reports shall be posted on the website of the company.</p>	<p>a) Six monthly reports are submitted to MoEF, Bhopal. Last report submitted on 5th May, 2018.</p> <p>The Environment Clearance and EC compliance report is uploaded on the Company Website.</p>
<p>15. The environmental statement for each financial year ending 31st March in Form – V as is mandated shall be submitted to the concerned State Pollution control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Office of MoEF by e-mail.</p>	<p>a) Environmental Statement for each financial year is submitted to Gujarat Pollution Control Board.</p> <p>Last Environment Statement for financial year 2016-17 was submitted to GPCB on 26th September, 2017.</p> <p>b) Environment Statement is regularly updated on Company Website</p>
<p>16. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/ committee and may also be seen at website of the Ministry at http://moef.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p>	<p>Information regarding EC was published in two newspapers i.e. English newspaper and Gujrati newspaper on 5th April 2017 and 6th April 2017 respectively.</p>
<p>17. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and date of start of the project.</p>	<p>Details will be furnished after completion of the project</p>

NOISE MONITORING REPORT

5/05/2018

S NO	location		Noise level	
			9.30 AM	9.30 PM
1	INSIDE MAIN GATE	Time office	69.0	56.3
2	WATCH TOWER 12	B/H CGP	63.2	62.8
3	RO PLANT SITE	Opp CISF Pt	59.0	58.9
4	WATCH TOWER 2	Nr Dhola Kuva	54.2	54.3
5	WATCH TOWER 3	Opp Crude Tank 901	50.9	48.6
6	BITUMEN GATE	Opp CISF Pt	60.7	55.4
7	WATCH TOWER 6	RIL Common Border	60.1	58.1
8	WATCH TOWER 9	Nr TTL Office	56.7	50.9
9	MKT GATE	Nr CISF Pt	67.7	52.3
10	SOUTHERN RLY GATE	-Do-	53.0	51.1