

# Indian Oil Corporation Limited

( North East Integrated State Office )

LPG Bottling Plant, Sekmai

Awang Sekmai, Imphal West, Manipur

Pin - 795 136



Indian Oil



Ref. No. IOCL/NEISO/LPG BP-SEKMAI/13-14/112

Date: 06.11.2013

To,

The Chief Conservator of Forests,  
Regional Office (NEZ),  
Upland Road, Laitumhran,  
Shilling - 793 003

Sub : Augmentation of LPG Storage capacity at LPG Bottling Plant at 30, Awang Sekmai, Lamsung, Kujang, Imphal West, Manipur by Indian Oil Corporation Limited (IOCL) – Environmental Clearance Reg.

Ref. our Ref. No. NEISO/LPG/01/G/12 – SEKMAI dated 27<sup>th</sup> February, 2012 and Ministry of Environmental and Forests (I. A. Division), Govt. of India, F. No. J-11011/324/2011 – IA II (I) reference No. NIL dated 9<sup>th</sup> August, 2012.

Dear Sir,

This has reference to our Environmental Clearance (EC) for installation of 1200 MT (2 x 600 MT) additional storage capacity within the Existing Boundary at LPG Bottling Plant, Sekmai accorded vide Ministry of Environment and Forests (I. A. Division), Govt. of India, F. No. J-11011/324/2011 - IA II (I) reference No. NIL dated 9<sup>th</sup> August, 2012 (copy enclosed).

Kindly find the status on compliance on the EC conditions as attached. This is subsequent to the status report on EC conditions compliance report dated 06/06/2013.

With regards.

Yours sincerely,

((B.C. Das)

Sr. Plant Manager,

LPG Bottling Plant, Sekmai

IOCL (NEISO)

E-mail: [bcd@indianoil.in](mailto:bcd@indianoil.in)

Mob. No: 9435010263



Sub: Status on Environmental Clearance (EC) conditions against EC vide F. No. J-11011/324/2011 - IA II (I) Ref. No NIL dated 9th August/2012 of Ministry of Environment and Forests (I. A. Division), Govt. of India for Augmentation of LPG Storage Capacity at LPG Bottling Plant, Sekmai in Manipur

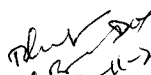
A. SPECIFIC CONDITIONS :		
		Status as on date
i.	Environmental Clearance is only for enhanced Storage Capacity.	Noted
ii.	Adequate buffer zone around the tankage facilities, as may be required as per OISD or other statutory requirements.	Will be maintained
iii.	Permission / recommendation shall be obtained from the State Forest Department regarding the impact of the proposed expansion on the surrounding reserve forests viz. Longol RF, Khumanthu RF, Haraorou RF, Heingang RF and Kanglatongbi Kangpokpi RF.	NOC from Chief Conservator of Forest, Manipur obtained enclosed as Annexure - I.
iv.	Regular ambient air quality monitoring of PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> , CO, VOCs and HC (Methane and Non-methane) shall be monitored and displayed at a convenient location near the main gate of the company and at important public places. The location and results of existing monitoring stations shall be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum ground level concentration and downwind direction of wind. If required, additional stations shall be set up. It shall be ensured that at least one monitoring station is set up in up-wind & in down-wind direction along with those in other directions.	Regular ambient air quality monitoring/monitoring of VOC and HC conducted engaging M/s Envirocon, Digboi. Report attached as Annexure - X. Ambient Air Quality Monitoring results displayed at Main Gate and at the nearest youth club.
v.	Regularly monitoring of VOC and HC in the work zone area in the plant premises shall be carried out data be submitted to Ministry's Regional Office at Shillong, CPCB and Manipur Pollution Control Board. Quarterly monitoring for fugitive emissions shall be carried out as per the guidelines of CPCB and reports submitted to Ministry's Regional Office at Shillong.	
vi.	Total fresh water requirement from private water supply shall not exceed 10.5 m <sup>3</sup> /day and prior permission shall be obtained from the concerned Authority.	Letter written to CGWB enclosed. Copy enclosed as Annexure - III.
vii.	The company shall construct the garland drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted.	There will be drainage surrounding the project site
viii.	Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.	Noted
ix.	The project authorities should strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. All the hazardous waste should be properly treated and disposed of in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008.	Noted
x.	The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.	Noted
xi.	No change in the storage capacity and other facilities should be made without getting proper approval from the Ministry.	Noted
xii.	Tankers should be as per IS 803 and OISD 117 & 118 for safety aspect.	Noted

*Handwritten signature and date:*  
 CR  
 06-11-2013

xiii.	Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.	
xiv.	Additional safety measures shall be taken by using remote operated shut off valve, double block & bleed valve (DBB), impervious dyke wall and un-bonded flexible roof drain pipe.	As per OISD norms. Last Safety
xv.	Unit shall carry out safety audit and report submitted to the Ministry and its Regional Office at Shillong within six month.	Audit report enclosed as annexure - IV.
xvi.	Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.	Complied. Valid Factory licence enclosed as Annexure - V.
xvii.	Green belt shall be developed in 33% of the plot area to mitigate the effect of fugitive emission all around the plant in consultation with DFO as per CPCB guidelines. Thick green belt around factory premises shall be ensured.	Taken up with DFO. Recommendations submitted enclosed as Annexure - VI.
xviii.	The company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Rain water harvesting pond already existing. Copy of plot plan enclosed as annexure - VII.
xix.	All the recommendations mentioned in the EMP/DMP shall be implemented.	Yes
xx.	Dedicated parking facility for loading and unloading of materials shall be provided in the LPG Bottling Plant. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	Existing. Copy of plot plan enclosed as Annexure VII.
xxi.	Company shall adopt Corporate Environment Policy as per the Ministry's O.M. No. J-11013/41/2006-IA.II(I) Dated 26 <sup>th</sup> April, 2011 and implemented.	Yes
xxii.	Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, educations, water and electricity supply etc. in and around the project.	CSR activities carried out. Newspaper report attached as Annexure - XI
<b>3. GENERAL CONDITIONS :</b>		
i.	The project authorities must strictly adhere to the stipulations made by the Manipur Pollution Control Board (MPCB), State Government and any other statutory authority.	Noted
ii.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & 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.	Noted
iii.	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.	Noted
v.	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 EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Yes, within limit as per the EIA report already submitted.

*Noted*  
06-11-2023

v.	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	IOCL is having separate department for environment management and all locations are being monitored centrally.
vi.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Done. Copy enclosed as Annexure - VIII.
vii.	The project proponent shall upload the status of compliance of the stipulated environment clearance 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 the MOEF, the respective Zonal Office of CPCB and the MPCB.	Done
viii.	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 MPCB. The Regional Office of this Ministry / CPCB / MPCB shall monitor the stipulated conditions. Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	Done
ix.	The environmental statement for each financial year ending 31 <sup>st</sup> 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 (Protections) 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 e-mail.	Done. Copy enclosed as Annexure - II.
x.	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 MPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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 Regional Office.	Done. Copy enclosed as Annexure - IX.
xi.	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 the date of commencing the land development work.	To be done

  
 06-11-2013



# Indian Oil Corporation Limited

( North East Integrated State Office )

LPG Bottling Plant, Sekmai

Awang Sekmai, Imphal West, Manipur

Pin - 795 136



Indian Oil



Ref. No. : IOCL/NEISO/LPG BP SEKMAI/ 2013-14 / 52

Date: 06.06.2013

To

The Chief Conservator of Forests, Regional Office (NEZ),  
Upland Road, Laitumhran,  
Shillong – 793 003.

Sub: Augmentation of LPG storage capacity at LPG Bottling Plant at 30, Awang Sekmai, Lamsang, Kujang, Imphal West, Manipur by Indian Oil Corporation Limited (IOCL) – Environmental Clearance reg.

Ref. Our ref. No. NEISO/LPG/01/G/12 – SEKMAI dated 27<sup>th</sup> February, 2012 and Ministry of Environment and Forests (I. A. Division), Govt. of India, F. No. J-11011/324/2011 – IA II (I) reference No. NIL dated 9<sup>th</sup> August/2012.

Dear Sir,

This has reference to our Environmental Clearance (EC) for installation of 1200 MT (2 x 600 MT) additional storage capacity within the Existing Boundary at LPG Bottling Plant, Sekmai accorded vide Ministry of Environment and Forests (I. A. Division), Govt. of India, F. No. J-11011/324/2011 – IA II (I) reference No. NIL dated 9<sup>th</sup> August/2012 (Copy enclosed as Annexure – I).

Kindly find the status on compliance report on the EC conditions as attached with the copy of the EC on the above project.

With regards,

Yours sincerely,

For, DGM (LPG)

Indian Oil Corporation Ltd. (IOCL)

North East Integrated State Office,

6<sup>th</sup> Floor, East Point Tower, Bamunimaidan

Guwahati – 7810 21 (Assam)

F. No. J-11011/324/2011-IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi – 110 003

E-mail : [plahujaral@yahoo.co.in](mailto:plahujaral@yahoo.co.in)

Télèfax : 011: 2436 3973

Dated 9<sup>th</sup> August, 2012

To  
Shri A. C. Sarma, DGM (LPG)  
M/s Indian Oil Corporation Ltd (IOCL)  
6<sup>th</sup> Floor, East Point Tower, Bamunimaidan  
Guwahati-781 021, Assam

E-mail: [sarmaachandra@indianoil.in](mailto:sarmaachandra@indianoil.in) ; Fax No.: 0361-2550764.

Subject: Augmentation of LPG storage capacity at LPG Bottling Plant at 30, Awang Sekmai, Lamsang, Kujang, Imphal West, Manipur by M/s Indian Oil Corporation Limited (IOCL) – Environmental Clearance reg.

Ref. : Your letter no. NEISO/LPG/01/G/12-SEKMAI dated 27<sup>th</sup> February, 2012.

Sir

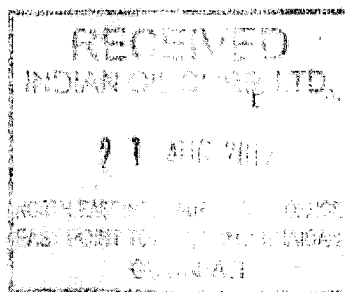
This has reference to your letter dated 27<sup>th</sup> February, 2012 alongwith Form-1, Prefeasibility Report and EIA/EMP report on the above mentioned subject.

2.0 The Ministry of Environment & Forests has examined your application. It is noted that proposal is for augmentation of LPG storage capacity at LPG Bottling Plant at 30, Awang Sekmai, Lamsang, Kujang, Imphal West, Manipur by M/s Indian Oil Corporation Limited (IOCL). Total plot area is 62.30 acres. Total cost of the project is Rs. 34.70 Crores. No wildlife sanctuary /national park is located within 10 Km. Longol RF, Khumanthu RF, Haraorou RF, Heingang RF and Kanglatongbi Kangpokpi RF are located within 10 Km. Details of LPG storage capacity are as given below:

S.N.	Existing Storage	Additional Storage
1	4 x 150 MT (above ground bullets)	2 x 600 MT (Mounded Bullet)

3.0 Adequate stack height will be provided to DG set. Exhaust blower and vapour extraction system comprising hoods and ducts provided in the filling shed. Water requirement will be increased from 10 m<sup>3</sup>/day to 10.5 m<sup>3</sup>/day. No industrial effluent will be generated. Domestic effluent generation will be 6.5 m<sup>3</sup>/day and disposed off through septic tanks followed by soak pit. No effluent will be discharged outside the premises and 'Zero' discharge concept will be adopted. Spent oil will be sold to authorized recyclers / re-processors.

4.0 The proposal was considered by the Expert Appraisal Committee (Industry-2) in its 26<sup>th</sup>, 32<sup>nd</sup> and 33<sup>rd</sup> meetings held during 17<sup>th</sup>–18<sup>th</sup> August, 2011, 16<sup>th</sup>–17<sup>th</sup> February, 2012 and 21<sup>st</sup>–22<sup>nd</sup> March, 2012 respectively.



5.0 All the Isolated Storage & Handling of Hazardous Chemicals are listed at S.N. 6(b) under Category 'B' and appraised at the Central level due to non-existence of the SEIAA/SEAC in Manipur.

6.0 Public hearing was exempted as per 7 (ii) of EIA Notification, 2006.

7.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to strict compliance of the following specific and general conditions:

**A. SPECIFIC CONDITIONS :**

- i. Environmental clearance is only for enhanced storage capacity.
- ii. Adequate buffer zone around the tankage facilities, as may be required as per OISD or other statutory requirements.
- iii. Permission/recommendation shall be obtained from the State Forest Department regarding the impact of the proposed expansion on the surrounding reserve forests viz. Longol RF, Khumanthu RF, Haraorou RF, Heingang RF and Kanglatongbi Kangpokpi RF.
- iv. Regular ambient air quality monitoring of PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, VOCs and HC (Methane and Non-methane) shall be monitored and displayed at a convenient location near the main gate of the company and at important public places. The location and results of existing monitoring stations shall be reviewed in consultation with the concerned State Pollution Control Board based on the occurrence of maximum ground level concentration and downwind direction of wind. If required, additional stations shall be set up. It shall be ensured that at least one monitoring station is set up in up-wind & in down-wind direction along with those in other directions.
- v. Regularly monitoring of VOC and HC in the work zone area in the plant premises shall be carried and data be submitted to Ministry's Regional Office at Shillong, CPCB and Manipur Pollution Control Board. Quarterly monitoring for fugitive emissions shall be carried out as per the guidelines of CPCB and reports submitted to Ministry's Regional Office at Shillong.
- vi. Total fresh water requirement from private water supply shall not exceed 10.5 m<sup>3</sup>/day and prior permission shall be obtained from the concerned Authority.
- vii. The company shall construct the earthen drain all around the project site to prevent runoff of any oil containing waste into the nearby water bodies. Separate drainage system shall be created for oil contaminated and non-oil contaminated streams. During rainy season, the storm water drains shall be connected to oil water separator and passed through guard pond. Water quality monitoring of guard pond shall be conducted.
- viii. Necessary approvals from Chief Controller of Explosives must be obtained before commission of project. Requisite On-site and Off-site Disaster Management Plans will be prepared and implemented.
- ix. The project authorities should strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended in 2000 and the Public Liability Insurance Act for handling of hazardous chemicals etc. All the hazardous

waste should be properly treated and disposed of in accordance with the Hazardous Waste (Management, Handling and Transboundary Movement) Rules 2008.

- x The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.
- xi No change in the storage capacity and other facilities should be made without getting proper approval from the Ministry.
- xii Tankers should be as per IS 803 and OISD 117 & 118 for safety aspect.
- xiii Emergency Response Plan shall be based on the guidelines prepared by OISD, DGMS and Govt. of India. Mock drill shall be conducted once in a month.
- xiv Additional safety measures shall be taken by using remote operated shut off valve, double block & bleed valve (DBB), impervious dyke wall and un-bonded flexible roof drain pipe.
- xv Unit shall carry out safety audit and report submitted to the Ministry and its Regional Office at Shillong within six months.
- xvi Occupational health surveillance of worker shall be done on a regular basis and records maintained as per the Factory Act.
- xvii Green belt shall be developed in 33% of the plot area to mitigate the effect of fugitive emission all around the plant in consultation with DFO as per CPCB guidelines. Thick green belt around factory premises shall be ensured.
- xviii The Company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
- xix All the recommendations mentioned in the EMP/DMP shall be implemented.
- xx Dedicated parking facility for loading and unloading of material shall be provided in the LPG bottling plant. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- xxi Company shall adopt Corporate Environment Policy as per the Ministry's O.M. No. J-11013/41/2006-IA.II(I) dated 26<sup>th</sup> April, 2011 and implemented.
- xxii Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, education, water and electricity supply etc. in and around the project.

#### **B. GENERAL CONDITIONS:**

- i The project authorities must strictly adhere to the stipulations made by the Manipur Pollution Control Board (MPCB), State Government and any other statutory authority.
- ii No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & 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.

- iii. The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc must be obtained wherever applicable.
- iv. 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 EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- v. A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.
- vi. 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. The clearance letter shall also be put on the web site of the company by the proponent.
- vii. The project proponent shall upload the status of compliance of the stipulated environment clearance 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 the MOEF, the respective Zonal Office of CPCB and the MPCB.
- viii. 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 MPCB. The Regional Office of this Ministry / CPCB / MPCB shall monitor the stipulated conditions. Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.
- ix. The environmental statement for each financial year ending 31<sup>st</sup> 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 e-mail.
- x. 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 MPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.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 Regional office.

- xi. 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 the date of commencing the land development work.

8.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.


9.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

10.0 The above conditions shall be enforced, inter-alia under the provisions of the Water Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.

  
(P L Ahujara)  
Director

Copy to:

1. The Addl. Chief Secretary, Department of Environment, Govt. of Manipur, Manipur.
2. The Chief Conservator of Forests, Regional Office (NEZ), Upland Road, Laitumhran Shillong-793003.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Manipur Pollution Control Board, Near Imphal West, DC Office Complex, Lamphelpat Imphal - 795004.
5. Joint Secretary, IA II(I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File/Monitoring File/Record File.

  
(P L Ahujara)  
Director

A. SPECIFIC CONDITIONS :			
		Status as on date	Remarks
i.	Environmental Clearance is only for enhanced Storage Capacity.	Noted	
ii.	Adequate buffer zone around the tankage facilities, as may be required as per OISD or other statutory requirements.	Will be maintained	
iii.	Permission / recommendation shall be obtained from the State Forest Department regarding the impact of the proposed expansion on the surrounding reserve forests viz. Longol RF, Khumanthu RF, Haraorou RF, Heingang RF and Kanglatongbi Kangpokpi RF.	NOC from Chief Conservator of Forest, Manipur obtained enclosed as Annexure - I.	
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x.	The company shall obtain all requisite clearances for fire safety and explosives and shall comply with the stipulation made by the respective authorities.	Noted	
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	Unit shall carry out safety audit and report submitted to the Ministry and its Regional Office at Shillong within six month.	Audit report enclosed as annexure - IV.	
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xxi.	Company shall adopt Corporate Environment Policy as per the Ministry's O.M. No. J-11013/41/2006-IA.II(I) Dated 26 <sup>th</sup> April, 2011 and implemented.	Yes	
xxii.	Under Corporate Social Responsibility (CSR), sufficient budgetary provision shall be made for health improvement, educations, water and electricity supply etc. in and around the project.	As per Corporate policy only	
<b>B. GENERAL CONDITIONS :</b>			
i	The project authorities must strictly adhere to the stipulations made by the Manipur Pollution Control Board (MPCB), State Government and any other statutory authority.	Noted	
ii.	No further expansion or modification in the project shall be carried out without prior approval of the Ministry of Environment & 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.	Noted	
iii.	The project authorities must strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 2000 as amended subsequently. Prior approvals from Chief Inspectorate of Factories, Chief Controller of Explosives, Fire Safety Inspectorate etc. must be obtained, wherever applicable.	Noted	
iv.	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 EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Yes, within limit as per the EIA report already submitted.	
v	A separate Environmental Management Cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	IOCL is having separate department for environment management and all locations are being monitored centrally.	



	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Done. Copy enclosed as Annexure - VIII.	
vii.	The project proponent shall upload the status of compliance of the stipulated environment clearance 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 the MOEF, the respective Zonal Office of CPCB and the MPCB.	To be done	After submitting this report to the Regional Office of MOEF.
viii.	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 MPCB. The Regional Office of this Ministry / CPCB / MPCB shall monitor the stipulated conditions. Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.	To be done	
	The environmental statement for each financial year ending 31 <sup>st</sup> 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 (Protections) 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 e-mail.	Done. Copy enclosed as Annexure - II.	
x.	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 MPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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 Regional Office.	Done. Copy enclosed as Annexure - IX.	
xi.	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 the date of commencing the land development work.	To be done	

Annexure I

Government of Manipur  
Office of the Principal Chief Conservator of Forests  
Forest Department: Manipur.

No.3/4/2011/Forests/1280

Imphal, the 2<sup>nd</sup> Dec, 2011.

To,

Shri B.C. Das  
Plant Manager,  
Indian Oil Corporation Limited  
North East Integrated State Office.  
LPG Bottling Plant, Sekmai.

**Subject:- NOC for proposed 2x600 MT Mounded Vessels at LPG  
Bottling Plant, Sekmai Imphal West, Manipur-reg.**

Sir.

With reference to your letter No. IOCL/NEISO/LPGBP-SEKMAI/11-12/169 dated 29.09.2011 on the subject mentioned above. I am directed to inform that since the proposed establishment of LPG bottling plant at Sekmai does not involve diversion of Forest lands, provisions of forest (Conservation) Act 1980 may not be attracted. However, Forest areas are within radius of 10 km of bottling plant which may have environmental implications under Environment Notification, 1994. As such, NOC may be sought from Manipur Pollution Control Board (MPCB).

Yours faithfully,



(Anurag Bajpai)  
Conservator of Forests/Admn & Plg.  
Government of Manipur.

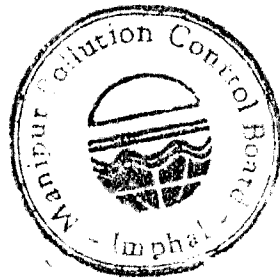


# Manipur Pollution Control Board

Lamphelpat, Near Imphal West D.C.

Office Complex, Imphal – 795 004

e-mail:pcb-man@nic.in



Imphal, the 6<sup>th</sup> Oct., 2010

No. PCB/137/2010-11

To,

The Plant Manager  
Indian Oil Corporation Limited,  
(North East Integrated State Office)  
LPG Bottling Plant,  
Awang Sekmai, Imphal West,  
Manipur

Subject: No Objection Certificate for installation of 2x 600 MT mounded bullets at  
LPG Bottling Plant, Sekmai

Ref: To your letter No. IOCL/NEISO/LPG BP-SEKMAI/10-11/190 (A) dated  
06.10.2010

Sir,

With reference to the subject cited above and the letter under reference No. IOCL/NEISO/LPG BP-SEKMAI/10-11/190 (A) dated 06.10.2010 I am directed to inform you that the Manipur Pollution Control Board has No Objection for installation of 2 x 600 MT mounded bullets at LPG Bottling Plant, Sekmai to store LPG to cater to the surging LPG demand in the State and to make available adequate LPG supply in the State. Further, the IOC Awang Sekmai, Imphal West has a valid consent of the LPG bottling plant at Awang Sekmai as such the conditions imposed by the Board will be complied during the operation of the plant

Yours faithfully,

(N. Minaketan Singh)

Senior Environment Engineer  
For Member Secretary

Memo No. PCB/137/2010-11

Imphal, the 6<sup>th</sup> Oct., 2010

Copy to

1. The P A to the Hon'ble Chairman, MPCB for kind information.
2. Guard file.

**Senior Environment Engineer**  
**Manipur Pollution Control Board**  
**Government of Manipur**

(N. Minaketan Singh)  
Senior Environment Engineer  
For Member Secretary

Manipur Pollution Control Board  
Lamphelpat, Imphal- 795004

**Certificate**  
**Authorisation of Hazardous Waste**

CONSENT No. 31/Other/12th/2012/Authorisation

CONSENT is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as ammended (herein-after referred to as "the Act" and "Rules") orders made thereunder to Shri/Shrimati/Messrs M/S Indian Oil Corporation Limited (North East Integrated State Office) LPG Bottling Plant Awang Sekmai, Imphal West


(herein-after referred to as " the Applicant") authorising him to Consent to Commence their Plant(s), in the Air Pollution Control Area(s) as notified i.e. *Hazardous Waste*.

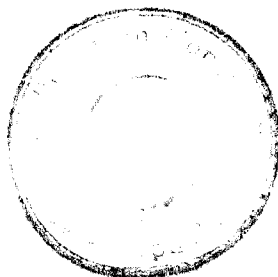
This is subject to the provisions of the Act and the Rules and orders made thereunder and further subject to the terms and conditions incorporated in the Schedule annexed hereto.


The CONSENT shall be valid for a period ending with the 19<sup>th</sup> day of July, 2013

For and on behalf of the  
Manipur Pollution Control Board

Dated, this 20<sup>th</sup> day of July, 2012

  
Sentoy Environmental Engineer  
Manipur Pollution Control Board  
Government of Manipur.



  
MEMBER SECRETARY

MEMBER SECRETARY  
Manipur Pollution Control Board

( BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE )

( THIS DOCUMENT CONTAINS-----PAGES )

e-mail:pcb-man@nic.in

Manipur Pollution Control Board  
Lamphelpat, Imphal- 795004

**Certificate**  
**Consent to Operate**

CONSENT No. 31/Other/12th/2012

CONSENT is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 and under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as ammended (herein-after referred to as "the Act" and "Rules") orders made thereunder to Shri/Shrimati/Messrs M/S Indian Oil Corporation Limited (North East Integrated State Office) LPG Bottling Plant Awang Sekmai, Imphal West

(herein-after referred to as " the Applicant") authorising him to Consent to Commence their Plant(s), in the Air Pollution Control Area(s) as notified i.e. 1800 MT Gas Refilling Plant.

This is subject to the provisions of the Act and the Rules and orders made thereunder and further subject to the terms and conditions incorporated in the Schedule annexed hereto.

The CONSENT shall be valid for a period ending with the 19<sup>th</sup> day of July, 2013

For and on behalf of the  
Manipur Pollution Control Board

Dated, this 20<sup>th</sup> day of July, 2012

Senior Environmental Engineer  
Manipur Pollution Control Board  
Government of Manipur.



MEMBER SECRETARY

MEMBER SECRETARY  
Manipur Pollution Control Board

( BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE )

( THIS DOCUMENT CONTAINS-----PAGES )

e-mail:pcb-man@nic.in

# ENVIRONMENTAL STATEMENT REPORT

Annexure-II

FOR

IOCL (NEISO)

LPG BOTTLING PLANT SEKMAI  
(FEBRUARY 2011-MARCH 2012)

Prepared by:-

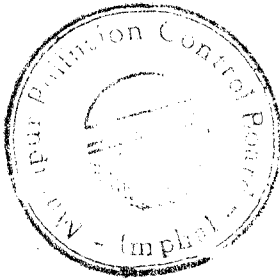
Human Services Centre

Palace Compound, Near Southern Side Postal Colony, Imphal East

Website:- [humanservicescentre.com](http://humanservicescentre.com)

## SCHEDULE-I

### **Common Application for Consent under Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981) and authorisation under Hazardous Wastes (Management and Handling) Rules, 1989, as amended**



No. MPCB/LPG- 2012

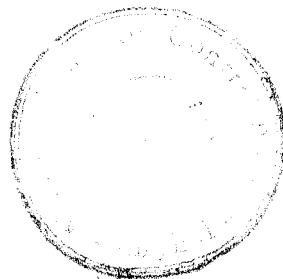
Accompanying form in triplicate to be submitted by

the applicant. One copy may be retained by the applicant.

#### **Explanatory note for filling in application form for Consent / Authorisation**

- (1) Any applicant knowingly giving incorrect information or suppressing any information pertaining to any of the items of the application shall be liable for punishment as per provisions under the relevant Act.
- (2) The application form shall be submitted at the head-quarter office of the Board at the address given on the first page of the application form or to the respective Zonal or Regional or Sub-Regional office or District Office of the Board/ Pollution Control Committee under whose jurisdiction the applicants activity falls.
- (3) The application shall be accompanied by the consent fee in the form of Demand Draft in favour of **Indian Oil Corporation Limited (North East Integrated State Office) LPG Bottling Plant, Awang Sekmai Imphal West, Manipur** State Pollution Control Board / Pollution Control Committee. Fee paid is not refundable.
- (4) For the items marked \* strike out which is not relevant.
- (5) If any of the items is not relevant to the activity of the applicant, please state 'Not Applicable'.
- (6) If the space for reply provided for any item is inadequate, use additional sheets, duly referenced.
- (7) Item 1 : Give the name of the person who is authorised by the applicant to transact their business.
- (8) Item 2 : Also state the concerned institutions under whose administrative area the unit falls.
- (9) The form shall be accompanied by the relevant documents specified. on the last page of the application form.

Capital Investment - Consent fee is to be paid based on gross fixed capital investment of the unit without depreciation till the date of application. The gross capital investment shall include cost of "land, building, plant and machinery without depreciation.





**Application form for Consent / Authorisation**

From :

**M/S Indian Oil Corporation Limited  
(North East Integrated State Office)  
LPG Bottling Plant, Awang Sekmai  
Imphal West, Manipur**

To

**The Member Secretary  
Manipur Pollution Control Board  
Near Imphal West D.C. Office Complex  
Lamphelpat, Imphal- 795004**

Sir,

I / We hereby apply for \*

- i. Consent to Establish / Operate / Renewal of consent under section 25 and 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended.
- ii. Consent to establish / operate / renewal of consent under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended.
- iii. Authorisation / renewal of authorisation under rule 5 of the Hazardous Wastes (Management and Handling) Rules, 1989, as amended in connection with my / our existing / proposed / altered / additional manufacturing / processing activity from the premises as per the details given below.

**Part A : General**

1. Name, designation, office address with telephone, fax numbers, e-mail of the application/ occupier / Industry / Institution/ Local Body
2. (a) Name and location of the industrial unit / premises for which the application is made. (Give revenue Survey Number/ Plot number, name of Taluka and District, also telephone and fax number)
- (b) Details of the planning permission obtained from the local body / Town and Country Planning authority / metropolitan development authority / designate authority
- (c) Name of the local body under whose jurisdiction the unit is located and name of the license issuing authority

**Plant Manager**

**M/S Indian Oil Corporation Limited  
(North East Integrated State Office)  
LPG Bottling Plant, Awang Sekmai  
Imphal West, Manipur**

**M/S Indian Oil Corporation Limited  
(North East Integrated State Office)  
LPG Bottling Plant, Awang Sekmai  
Imphal West, Manipur**

Government of India and Government  
of Manipur

Government of India and Government  
of Manipur

3. Names, addresses with telephone and fax number of Managing Director/Managing Partner and officer responsible for matters connected with pollution control and / or hazardous waste disposal. :

**M/S Indian Oil Corporation Limited  
(North East Integrated State Office)  
LPG Bottling Plant, Awang Sekmai  
Imphal West, Manipur**

4. (a) Are you registered as a small-scale industrial unit ?

This is a purely Government of India Enterprises Unit not an industrial unit.

(b) If yes, give the number and date of registration.

NA

5. Gross capital investment of the unit without depreciation till the date of application (Cost of building, land, plant and machinery).

Officially available

(To be supported by an affidavit, Annual Report or certificate from a Chartered Accountant. For proposed unit(s), give estimated figure)

Officially available

6. If the site is located near sea-shore / river bank / other water bodies; indicate the distance and the name of the water body, if any.

NA

7. Does the location satisfy the requirements under relevant Central / State Govt. notifications such as Coastal Regulation Zone Notification on Ecologically Fragile Area, Industrial location policy, etc. If so give details.

Yes

8. If the site is situated in notified industrial estate,

Yes

(a) whether effluent collection, treatment and disposal system has been provided by the authority

Yes

(b) will the applicant utilize the system, if provided

Yes

(c) If not provided, details of proposed arrangement.

NA

9. Total plot area, built-up and area available for the use of treated sewage / trade effluent Not required at the moment
10. Month and year of proposed commissioning of the unit Already in Operation
11. Number of workers and office staff. Officially available
12. (a) Do you have a residential colony within the premises in respect of which the present application is made ? Yes
- (b) If yes, please state population staying  $\geq 50$  peoples
- (c) Indicate its location and distance with reference to plant site. Security 300 meters  
Office 250 meters
13. List of products and by-products manufactured in tonnes / month, kl / month or numbers / month (Give figure corresponding to maximum installed production capacity) Filling of LPG in cylinders  
For expansion capacity from the present 12 Pt Electronic filling Carousal to 24 Pt Electronic filling Carousal.
14. List of raw materials and process chemicals with annual consumption corresponding to above stated production figures, in tonnes / month or kl / month or numbers / month. Brought into Bullets
15. Description of process of manufacture for each of the products showing input, output, quality and quantity of solid, liquid and gaseous wastes, if any from each unit process. (To be supported by flow sheet and / or material balance and water balance sheet). LPG is brought from outside and filling into cylinders are done by equipments provided for the matter.

### Part B : Waste water aspects

16. Water consumption for different uses (m<sup>3</sup> / day) :

- (i) Industrial cooling, spraying – in mine pits or boiler feeds. NA
- (ii) Domestic purpose -
- (iii) Processing whereby water gets polluted and the pollutants are easily biodegradable -



- (iv) Processing whereby water gets polluted and the pollutants are not easily bio-degradable and are toxic
- (v) Others such as agriculture, gardening etc. (specify)

Total

**180 m<sup>3</sup> of water and above**

*Note: The water for firefighting will be stored in the fire tank. The content of water tanks including daily used is under quantification and will be intimated to the Manipur Pollution Control Board in terms of KL. However the minimum assessed quantity is approximately 180 m<sup>3</sup> of water and above*

17. Source of water supply,  
Name of authority granting permission  
if applicable and quantity permitted

Sekmai River

18. Quantity of waste water (effluent) generated  
(m<sup>3</sup>/ day)

- |                   |                               |
|-------------------|-------------------------------|
| (i) Domestic :    | (v) Boiler Blowdown :         |
| (ii) Industrial : | (vi) Cooling water blowdown : |
| (iii) Process :   | (vii) DM Plant / Softening :  |
| (iv) Washings :   | Plant washings                |

19. Water budget calculations accounting  
for difference between water consumption  
and effluent generated.

20. Present treatment of sewage / canteen  
Effluent (Give sizes / capacity of  
Treatment units).

Parameter	Concentration not to exceed, mg/l (except pH)
Total Dissolved Solid	335
pH	7.44
Dissolved Oxygen	7.0
BOD (3 days at 27°C)	2.4
Sulphate	12.5
Chloride	10
Nitrate	0.59
Flouride	0.004
Iron	0.13
Phenol	N.D
Cyanide as CN	N.D
Arsenic	N.D
Cadmium	N.D
Hexavalent Chromium	N.D
Copper	N.D
Lead	0.008
Zinc	0.03



21. Present treatment of trade effluent  
(give sizes / capacities of treatment units).  
(A schematic diagram of the treatment  
Scheme with inlet / outlet characteristics  
of each unit operation / process is to be  
provided. Include details of residue  
management system (ETP sledges) NA
22. (a) Are sewage and trade effluents  
Mixed together ? No
- (b) If yes, state at which stage –  
Whether before, intermittently or  
after treatment. NA
23. Capacity of treated effluent sump, Guard  
Pond if any.
24. Mode of disposal of treated effluents, with  
Respective quantity, m<sup>3</sup>/ day
- (i) into stream / river (name of river)
  - (ii) into creek / estuary  
(name of creek/ estuary)
  - (iii) into sea
  - (iv) into drain / sewer (owner of sewer)
  - (v) On land for irrigation on owned land /  
Lease land. Specify cropped area.  
(To be supported by relevant documents)
  - (vi) Quantity of treated effluent reused /  
recycled, m<sup>3</sup>/ day  
Provide a location map of disposal  
arrangement indicating the outlet (s)  
for sampling
  - (vii) Provide a location map of disposal  
arrangement indicating the outlet (s)  
for sampling
25. (a) Quality of untreated / treated effluents  
(Specify pH and concentration of SS  
BOD, COD and specific pollutants  
relevant to the industry. TDS to be reported  
for disposal on land or into stream / river).
- (b) Enclose a copy of the latest report of  
Analysis from the laboratory approved by  
State Board / Committee / Central Board /  
Central Government in the Ministry of  
Environment & Forests. For proposed unit  
furnish expected characteristics of the  
untreated / treated effluent.



# Part - C : Air emission aspects

26. Fuel consumption :

	Coal	LSHS	Furnace Oil	Natural gas	Others Specify
(a) Fuel consumption (TPD / KLD)					
(b) Calorific value					
(c) Ash content %					
(d) Sulphur content %					
(e) Other (specify)					

27. (A) Details of stack (process & fuel stacks) :
- (a) Stack number (s) :
  - (b) Attached to :
  - (c) Capacity :
  - (d) Fuel type :
  - (e) Fuel quantity (TPD / KLD) :
  - (f) Material of construction :
  - (g) Shape (round / rectangular) :
  - (h) Height, m (above ground level) :
  - (i) Diameter/ size, in meters :
  - (j) Gas quantity, Nm<sup>3</sup>/hr. :
  - (k) Gas temperature, °C :
  - (l) Exit gas velocity, m/sec. :
  - (m) Control equipment preceding the stack (Attach specifications including residue management systems of each of the control equipment indicating inlet/ outlet concentrations of relevant pollutants) :

For Air Quality monitoring separate Report is Annexed- I

For Water Quality monitoring separate Report is Annexed- II

- (B) Whether any release of odoriferous compounds such as Mercaptans, Phorate etc. are coming out

NA

28. Do you have adequate facility for collection of samples of emissions in the form of port holes, platform, ladder etc. as per Central Board Publication "Emission Regulations Part-III" December 1985)

29. Quality of treated flue gas emissions and process emission.  
(Specify concentration of criteria pollutants and industry / process-specific pollutants stack-wise. Enclose a copy of the latest report of analysis from the approved laboratory by State Board/ Central Board/ Central Government in the Ministry of Environment and Forest. For proposed units furnish the expected characteristics of the emission.

## Concentration of Suspended Particulate Matter in Ambient Air

Sekmai Station	Mean SD	98%	Min	Max
	33+2	36	30	36

## Concentration of SO<sub>2</sub> in Ambient Air

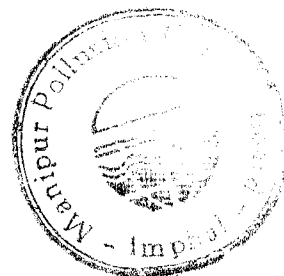
Sekmai Station	Mean SD	98%	Min	Max
	15+1	18	13	19

## Concentration of NO<sub>x</sub> in Ambient Air

Sekmai Station	Mean SD	98%	Min	Max
	21+2	24	18	24

**Part- D: Hazardous waste aspects**

30. (a) Whether the unit is generating hazardous waste as defined in the Hazardous Waste (Management and Handling) Rules, 1989, as amended.
- (b) If so, the category No.
31. Authorisation required for \*
- (i) Collection
  - (ii) Reception
  - (iii) Treatment
  - (iv) Transport
  - (v) Storage
  - (vi) Disposal of the hazardous waste
32. Quantity of hazardous waste generated (kg/day) or (mt/month)
33. Characteristics of the hazardous waste (s).  
(Specify concentration of relevant pollutants.  
Enclose a copy of the latest report of analysis from the laboratory approved by State Board/ Central Board/Central Government in the Ministry of Environment and Forest.  
For proposed units furnish the expected characteristics. Mode of storage (intermediate or final)(describe area, location and methodology).
34. Present treatment of hazardous waste, if any (give type and capacity of treatment units)
35. Quantity of hazardous waste disposed
- (i) Within the factory
  - (ii) Outside the factory  
(Specify location and enclose copies of agreement)
  - (iii) Through sale (Enclose documentary proof and copies of agreement)
  - (iv) Outside State/Union Territory, if yes particulars of (i) & (iii) above
  - (v) Other (specify)
- LPG waste buried in the complex
- For disposal, Burial has been granted by MPCB in the complex of bottling plant at Sekmai
- NA
- Within the factory



**: Additional information**

36. (a) Do you have any proposals to upgrade the present system for treatment and disposal of effluent/ emission and / or hazardous waste. As when required MPCB will be intimated.
- (b) If yes, give the details with time-schedule for the implementation and approximate expenditure to be incurred on it. :
37. Capital and recurring (O & M) expenditure on various aspects of environment protection such as effluent, emission, hazardous waste, solid waste, tree plantation, monitoring, date acquisition etc. (give figures separately for items implemented / to be implemented). Available with the Plant Manager.
38. To which of the pollution control equipment, separate meters for recording consumption of electric energy are installed ? : No
39. Which of the pollution control items are connected to D.G. set (captive power source) to ensue their running in the event of normal power failure?
40. Nature, quantity and method of disposal of non-hazardous solid waste generated separately from the process of manufacture and waste treatment. (Give details of area/capacity available in applicant's land) : By way of Domestic Collection
41. Hazardous Chemicals – Give details of chemicals and quantities handled and stored. :
- (i) Is the unit a Major Accident Hazard unit as per MSIHC Rules ? :
- (ii) Is the unit an isolated storage as defined under the MSIHSC Rules ? :
- (iii) Indicate status of compliance of Rules 5,7,10,11,12, 13 and 18 of the MSIHC Rules. : In consultation with the State Board, Hazardous Waste disposal take place.
- (iv) Has approval of site been obtained from the concerned authority? “
- (v) Has the unit prepared an Off-site Emergency Plan? Is it updated? :
- (vi) Has information on imports of chemicals been provided to the concerned authority? :
- (vii) Does the unit posses a policy under the PLI Act? :





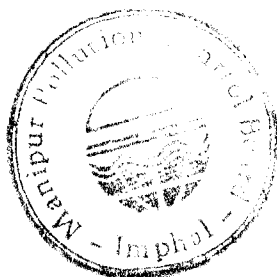
42. Brief details of tree plantation/ green belt development within applicant's premises (in hectares). : Plantation is already done and new plantation go on time to time.
43. Information of schemes for waste minimization, resource recovery and recycling- implemented and to be implemented, separately. :
44. (a) The applicant shall indicate whether industry comes under Public Hearing, if so, the relevant documents such as EIA, EMP, Risk Analysis etc. shall be submitted, if so, the relevant documents enclosed shall be indicated accordingly. Environmental Statement Report is prepared in this form.
- (b) Any other additional information that the applicant desires to give. : A consultant approved by the Board work after the Report.
45. I/ We further declare that the information furnished above is correct to the best of my/ our knowledge. :
46. I / We hereby submit that in case of any change from what is stated in this application in respect of raw materials, products, process of manufacture and treatment and / or disposal of effluent, emissions, hazardous wastes etc. in quality and quantity; a fresh application for Consent / Authorisation shall be made and until the grant of fresh Consent / Authorisation no change shall be made.
47. I / We undertake to furnish any other information within one month of its being called by the Board / Committee.
48. I / We agree to submit to the Board an application for renewal of consent / authorisation in two months in advance before the date of expiry of the consent / authorisation validity period:
49. I / We enclose herewith a Demand Draft for **Rs. 5,000/- (Rupees Five thousand)** only drawn in favour of **Manipur Pollution Control Board / Committee** as the fee for consent / authorisation for a period upto **one year i.e. March 2012 to February, 2013**

Yours faithfully,

Prepared and filled in by  
Human Services Centre  
On behalf of  
**M/S Indian Oil Corporation Limited**  
**(North East Integrated State Office)**  
**LPG Bottling Plant, Awang Sekmai**  
**Imphal West, Manipur**

Signature ..... *S. S. /* .....  
Name ..... *arun* .....  
Designation ..... *mp (M)* .....  
*bm*

Documents enclosed.



# AIR QUALITY DATA

Period: February 2011- March 2012 Location: LPG Bottling Plant (SA1).

WEEK	DATE	CONCENTRATION OF AIR POLLUTANTS					
		PM <sub>10</sub> ( $\mu$ g/m <sup>3</sup> )	SO <sub>2</sub> ( $\mu$ g/m <sup>3</sup> )	NO <sub>x</sub> ( $\mu$ g/m <sup>3</sup> )	HC (pmm)		VOC (ppm)
					Methane (ppm)	Non-Methane (ppm)	
I	3/2/2011	34	14.6	19.7	1.53	NT	2.30
	5/2/2011	31	12.0	17.9	1.60	NT	2.31
II	8/3/2011	36	13.5	14.5	1.55	NT	2.34
	10/3/2011	36	13.5	14.4	1.56	NT	2.33
III	5/4/2011	38	14.4	13.5	1.70	NT	2.56
	11/4/2011	35	12.9	18.9	1.65	NT	2.65
IV	5/5/2011	37	11.4	17.7	1.67	NT	2.50
	6/5/2011	30	10.9	14.4	1.55	NT	2.33
V	3/6/2011	28	10.8	16.1	1.38	NT	2.25
	7/6/2011	26	11.2	15.8	1.42	NT	2.15
VI	14/7/2011	37	14.4	21.5	1.55	NT	2.37
	29/7/2011	29	13.4	19.2	1.50	NT	2.25
VII	4/8/2011	37	14.4	21.5	1.58	NT	2.33
	8/8/2011	31	12.9	19.2	1.50	NT	2.25
VIII	15/9/2011	37	13.2	19.6	1.50	NT	2.25
	16/9/2011	33	11.0	16.4	1.56	NT	2.34
IX	6/10/2011	31	14.4	21.7	1.55	NT	2.33
	13/10/2011	28	14.6	21.7	1.55	NT	2.25
X	22/11/2011	26	9.2	14.6	1.60	NT	2.24
	3/12/2011	37	10.1	16.3	1.55	NT	2.33
XI	5/1/2012	29	9.3	14.4	1.64	NT	2.46
	8/2/2012	27	12.1	18.1	1.58	NT	2.46
XII	9/3/2012	24	10.8	16.1	1.48	NT	2.22
	22/3/2012	26	9.2	14.4	1.60	NT	2.33

## SUMMARY

Observation	PM <sub>10</sub> ( $\mu$ g/m <sup>3</sup> )	SO <sub>2</sub> ( $\mu$ g/m <sup>3</sup> )	NO <sub>x</sub> ( $\mu$ g/m <sup>3</sup> )	HC (pmm)		VOC (ppm)
				Methane	Non-Methane	
Minimum Conc.	24	9.2	13.5	1.38	NT	2.15
Max. Conc.	38	14.6	21.7	1.70	NT	2.65
Average	37	14.4	14.4	1.55	NT	2.33

### Note

VOC= Volatile Organic Compound.

NT- Not Traceable.



Annexure-II

GROUND WATER QUALITY AT A GLANCE IN COMPRISON TO

IS: 10500

Period: February 2011- March 2012

Location: LPG Bottling Plant (SA1).

Parameters	Range of recorded Concentration (Results expressed in mg/l except pH)		
	Minimum	Maximum	Desirable/Permissible Limits as per IS:10500
pH	6.9	7.5	6.5-8.5
Total Suspended Solid	2-8	8.6	
Total Dissolved Solid	102	132	500/2000
Total Alkalinity as $\text{CaCO}_3$	42	64	200/600
Total Hardness as $\text{CaCO}_3$	53	64	300/600
Chloride as Cl	28	38	250/1000
Sulphate as $\text{SO}_4$	6	10	200/400
Nitrate as $\text{NO}_3$	0.8	10.3	45/100
Iron as Fe	0.07	0.2	0.3/1.0



**FORM- 2**  
[see Rule 3(c) and 5(5)]

**[FORM FOR GRANT OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING  
HAZARDOUS WASTES]**

1. Number of authorisation and date of issue 31/other /12<sup>th</sup> /2012 Authorization and 20<sup>th</sup> July, 2012
2. M/S Indian Oil Corporation Limited (North East Integrated State Office) LPG Bottling Plant, Awang Sekmai Imphal West, Manipur of is hereby granted an authorisation to operate a facility for collection, reception, treatment, storage, transport and disposal of Hazardous Waste on the premises situation at their Premises.
3. The authorisation granted to operate a facility for collection, reception, treatment, storage, transport and disposal of hazardous wastes.
4. The authorisation shall be in force for a period of one year from the date of issue.
5. The authorisation is subject to the conditions stated below and such the conditions as may be specified in the rule for the time being in force under the Environmental (Protection) Act, 1986.

Date.....

Signature.....

Designation.....

## Terms and Conditions of Authorisation.

1. The authorisation shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made thereunder.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the <sup>2</sup>[State Pollution Control Board or Committee]
3. The person authorised shall not rent, land, sell, transfer or otherwise transport the hazardous waste without obtaining prior permission of the State Pollution Control Board.
4. Any unauthorized change in personal, equipment as working condition as mentioned I the application by the personal authorised shall constitute a breach of his authorisation.
5. It is the duty of the authorised person to take prior permission of the <sup>1</sup>[State Pollution Control Board or Committee] to close down the facility.
6. An applicant for the renewal of authorisation shall be made as laid down in rule 5(6)(ii).

# Indian Oil Corporation Limited

(North East Integrated State Office)

LPG Bottling Plant, Sekmai

Awang Sekmai, Imphal West, Manipur

Pin - 795 136



Indian Oil

Annexure - III



Ref. No: IOCL / NEISO / LPG BP-Sekmai / 12-13 / 131

Dated : 04.08.2012

To

Regional Director,

Central Ground Water Board,

NORTH EASTERN REGION GUWAHATI

Tarun Nagar, Bye Lane 1 near Rajiv Bhawan, Guwahati - 781005 (Assam), Fax : 0361-2455497.

Sub: Feasibility for Borewell at Sekmai in Manipur

Dear Sir,

We are having a LPG plant at Sekmai in the foothills of hills in Imphal West district of Manipur. Geographically, the Plant is located at longitude 93°52'38.8" E and latitude 24°57'40.11" N at an altitude of about 770 m from mean sea level (MSL).

The plant is hardly 700 Metre away from the hills. The area is having sand and stones in the surface. We are having one pond around 2 Metre deep but water is not hold in dry season and it is percolated away.

Present system of using surface water is not adequate to meet Fire and safety requirements as per norms.

We require about 50 KL/Hour water for Fire & safety and operation purpose of the only LPG plant catering entire Manipur market.

Kindly let us know ground water availability for viability of borewell. Kindly let us know about CGWB data for ground water availability and Geophysics/Hydrology data for our area. Also, let us know about contractors to execute the borewell. It will be helpful if you do the job on Deposit Work basis.

We will be grateful to you for helping us to come out with a solution.

With regards,

Yours sincerely,

On behalf of

Indian Oil Corporation Ltd.,

(North East Integrated State Office)

(B.C. Das) 04-08-2012  
Plant Manager  
IBP, Sekmai  
Manipur

LPG Bottling Plant, Sekmai

Indian Oil Corporation Limited

(North East Integrated State Office)

E-mail: [bcd@indianoil.in](mailto:bcd@indianoil.in)

Mobile No.: +91 9435010263



Annexure IV

 IndianOil	<h1>SAFETY INDEX FORMAT</h1>	 IndianOil
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BACK

HOME

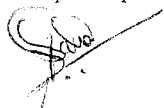
Inspection No. :	State Office : NEIS	Type : LPG	Location : SEKMAI BP
Location Incharge:	--Bharat Chandra Das	Inspected By :	Mr.P.K.Dutta
		Witness By :	Mr.SUDIPTA SAHA

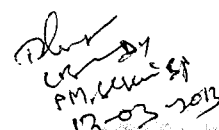
Start Date: 11/03/2013

End Date:

13/03/2013

Sr No.	Check Points	Status
A	LICENSES / APPROVALS / CERTIFICATES / DISPLAY	
1	ALL EMPLOYEES ARE AWARE OF S,H&E POLICY (LOCATION & CORPORATE) & BOTH ARE DISPLAYED AT PROMINENT PLACES.	Yes
2	VALID CCOE LICENSES AVAILABLE / APPLIED FOR RENEWAL IN TIME.	Yes
3	UPDATED AND APPROVED LAYOUT OF PLANT BY PESO IS AVAILABLE AND DISPLAYED,, HAZARDOUS AREA CLASSIFICATION DRAWING IF AVAILABLE IS DISPLAYED.	Yes
4	VALID FACTORY LICENSE AVAILABLE. / APPLIED FOR RENEWAL IN TIME.	Yes
5	POLLUTION CONTROL BOARD CONSENT FOR AIR AND WATER EXIST / APPLIED FOR RENEWAL IN TIME AND ITS CONDITIONS ARE COMPLIED.	Yes
6	DAILY STRUCTURED SAFETY CHECK OF LOCATION BEING DONE & REVIEWED BY L-I-C . MONTHLY INSPECTION BY LIC AND QUARTERLY INSPECTION BY SO CARRIED OUT AS PER HO GUIDELINES , RECORDS MAINTAINED AND POINTS COMPLIED AS PER THE TARGET DATES	Yes
7	AUTHORISATION FROM STATE POLLUTION CONTROL BOARD FOR HANDLING HAZARDOUS WASTE IS AVAILABLE / APPLIED FOR RENEWAL IN TIME.	Yes
8	HYDRANT HOSES ARE TESTED ONCE IN SIX MONTHS AND CERTIFICATE (S) AVAILABLE.	Yes
9	TRANSFORMER OIL TESTED ANNUALLY AND RECORDS AVAILABLE AS PER IS:1866. THE CONDITION OF SILICA GEL OF THE TRANSFORMER IS IN ACCEPTABLE CONDITION.	N/A
10	ON SHIFT AND OFF SHIFT FIRE ORGANISATION CHART IS DISPLAYED AT PROMINENT PLACE.	Yes
11	FIRE HYDRANT LAYOUT AND LOCATION OF FIRE FIGHTING EQUIPMENTS IS DISPLAYED.	Yes
12	DISASTER MANAGEMENT PLAN BASED ON RISK ANALYSIS IS AVAILABLE AND SUBMITTED TO CONCERNED AUTHORITY/RECORD OF SUBMISSION/ DISPATCH AVAILABLE.	Yes
13	MUTUAL AID SCHEME IS AVAILABLE & MEETING IS CONDUCTED FOR EVERY SIX MONTHS & RECORDS AVAILABLE.	Yes
14	ANTI LOCK BRAKE SYSTEM (ABS) PROVIDED IN N-3 CATEGORY OF VEHICLES OTHER THAN TRACTOR TRAILOR COMBINATION MANUFACTURED ON AND AFTER 01.10.06 AND N-3 CATEGORY VEHICLES WITH TRACTOR TRAILOR COMBINATION MANUFACTURED ON AND AFTER 01.10.07.	No
15	WHETHER THE REQUIRED NO OF FIRST AID TRAINED PERSONNEL AVAILABLE AND THEIR NAMES DISPLAYED AS PER FACTORIES ACTS / RULES.	Yes
16	SAFETY AUDIT CHECK LIST AS PER OISD 144 / 145/169 HAS BEEN EVALUATED AND ALL POINTS OBSERVED AS COMPLIED. THE AUDITED CHECK LIST IS ENCLOSED WITH OBSERVATIONS.	Yes
17	LAYOUT OF BLOCKS AND FACILITIES MEETS THE DISTANCE REQUIREMENT AS PER OISD 144/169 (PRE OISD LOCATION ARE TO BE EXEMPTED).	Yes



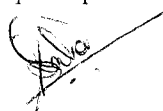
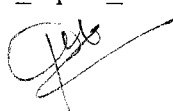
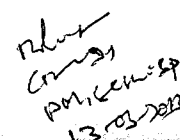


18	SAFETY COMMITTEE MEETING IS CONDUCTED ONCE IN TWO MONTHS OR AS PER FACTORY RULES / GUIDELINES ISSUED TIME TO TIME, THE PRESCRIBED FREQUENCY OF WHICHEVER IS MORE.	Yes
19	CHAIN PULLEY BLOCKS AND HOISTING EQUIPMENTS ARE TESTED ANNUALLY OR AS PER STATUTORY STIPULATIONS AND OTHER TECHNICAL REQUIREMENTS AND AUTHORIZED TEST CERTIFICATES FOR LOAD BEARING ARE AVAILABLE AND RECORDS MAINTAINED.	Yes

Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage
A	LICENSES / APPROVALS / CERTIFICATES / DISPLAY	18	17	8

B	ACCIDENT REPORTING AND INVESTIGATION			
1	ALL ACCIDENTS HAVE BEEN REPORTED IN TIME AND INVESTIGATED AS PER LATEST GUIDELINES OF S&EP, HO.			Yes
2	LESSONS LEARNT FROM ACCIDENTS OCCURRED AT OTHER LOCATIONS AS CIRCULATED THROUGH SAFETY BULLETINS/S&EP INTRANET SITE ARE IMPLEMENTED AND DISCUSSED DURING SAFETY COMMITTEE MEETINGS AND MONTHLY ATRS SUBMITTED TO S&EP REGION.			Yes
3	REPORTABLE ACCIDENTS DURING LAST FINANCIAL YEAR IS    NIL    .			Yes
4	ACCIDENT STATISTICS ARE MAINTAINED IN A REGISTER AS PER FACTORY ACT / RULES.			Yes
Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage
B	ACCIDENT REPORTING AND INVESTIGATION	4	4	4

C	BULK STORAGE / BULK LOADING / UNLOADING AREA	
1	EXCESS FLOW CHECK VALVE ARE APPROPRIATELY PROVIDED IN ALL INLET & OUTLET OF STORAGE VESSEL/ BULK LPG TANK TRUCKS.	Yes
2	WATER DRAINED REGULARLY FROM STORAGE VESSEL UNDER THE SUPERVISION OF AUTHORISED PERSON. WATER DRAINING PROCEDURE PROPERLY DISPLAYED IN LOCAL LANGUAGE & HINDI/ENGLISH AND FOLLOWED.	Yes
3	ALL SRVS.& TSVS ARE PROVIDED WITH VENT PIPES, RAIN CAPS & TESTED ANNUALLY. VALID TEST CERTIFICATES ARE AVAILABLE.	Yes
4	ALL SRVs & TSVs ARE PROVIDED WITH ISOLATION VALVES, KEPT IN OPEN POSITION LOCK / SEALED OR WHEEL REMOVED. KEYS/WHEELS ARE EASILY ACCESSIBLE.	Yes
5	FIRE PROOF COATING /INSULATION PROVIDED IN THE VESSEL LEGS AND MAINTAINED IN GOOD CONDITION. NO CRACKS ARE OBSERVED.	Yes
6	PIPELINES HAVE BEEN INSPECTED & TESTED AS PER CLAUSE NO.9.5.3 OF OISD-144.	Yes
7	LPG HOSES FOR TLD /TW ARE TESTED AS PER OISD STD.135 ONCE IN FOUR MONTHS AND RECORDS MAINTAINED. PHYSICAL CONDITION OF THE HOSES FOUND ACCEPTABLE.	Yes
8	LOADING/UNLOADINGS ARMS ARE OF APPROVED TYPE AND MAINTENANCE AND INSPECTIONS ARE CARRIED OUT AS PER OEM RECOMMENDATIONS AS WELL AS LPG OPS CIRCULAR DATED 02.01.03 OR LATEST GUIDELINES/STATUTORY REQUIREMENT ETC.	Yes
9	LOADING /UNLOADING OPERATING PROCEDURE DISPLAYED & FOLLOWED AT TLD/TW. LOADING /UNLOADING OPERATION ARE DONE UNDER AUTHORISED SUPERVISION.	Yes
10	DRIVING LICENSE OF TT DRIVERS ARE FOUND ENDORSED FOR DRIVING HAZARDOUS GOODS VEHICLE / TRAINING CERTIFICATE AVAILABLE FROM RTO AUTHORIZED NODAL TRAINING CENTRE.	Yes
11	EACH BULK/STAKE TRUCK IS EQUIPPED WITH IS MARKED WORKING 2 X 10 KG DCP FE.	Yes
12	BULK & STAKE TRUCK ARE HAVING ENCLOSED TYPE BATTERY CUT OFF SWITCH AND THE SAME IS FOUND IN OFF POSITION DURING LOADING / UNLOADING OPERATION.	Yes
13	HAZCHEM CHART DISPLAYED ON BODY OF TANK TRUCK AS PER STATUTORY RULES.	Yes



14	DRIVER (S) / CLEANERS / HELPERS FOUND TO BE OBSERVING ALL SAFETY NORMS IN THE PLANT AREA. (TRUCK DRIVERS ARE NOT WEARING SAFETY SHOES, SAFETY HELMETS)	Yes
15	VIOLATION OF SAFETY REQUIREMENTS BY TT ARE MONITORED AND PENALTY IMPOSED AS PER TRANSPORT DISCIPLINE GUIDELINES / CONTRACT CONDITIONS.	Yes
16	PROPER EARTHING AND BONDING FACILITY PROVIDED AT HSD CONSUMER PUMP/OWN USE HSD PUMP DECONTANTATION POINT. SEALED DECONTANTATION OF TT ENSURED.	N/A
17	RAIL SLEEPERS IN TANK WAGON SIDINGS ARE OF CONCRETE / METALLIC CONSTRUCTION / OTHER APPROVED MATERIAL.	N/A
18	DUMMY WAGONS USED DURING PLACEMENT / WITHDRAWAL OF TANK WAGON AND CAUTION BOARDS ARE PROVIDED AND THE RAKE/ TANK WAGON (S) ARE NOT CONNECTED WITH ANY SHUNTING / HAULAGE DEVICE WHILE LOADING / UNLOADING IS IN PROGRESS.	N/A
19	RAIL TRACKS ARE PROVIDED WITH BONDING STRIPS AND CONNECTED TO WELL-MAINTAINED EARTHING SYSTEM.	N/A
20	ALTERNATE HYDRANT AND WATER MONITORS ARE PROVIDED ON BOTH SIDES OF RAILWAY GANTRY / SIDING AS PER OISD / STATUTORY REQUIREMENTS.	N/A
21	RAIL TRACKS INSULATION PROVIDED AT 30M FROM FIRST LOADING / UNLOADING POINT, TO INSULATE WAGON SIDING RAIL TRACK FROM ELECTRIC TRACTION SYSTEM OF THE RAILWAYS.	N/A
22	OVERHEAD ELECTRIC TRACTION TERMINATES 15M AHEAD OF FIRST LOADING / UNLOADING POINT OF TANK WAGON SIDING.	N/A
23	IF WORKING BEYOND SUNSET, PROPER LIGHTING ARRANGEMENT IS AVAILABLE IN RAILWAY SIDING.	N/A
24	EMERGENCY GATE / ESCAPE ROUTES AVAILABLE. IF NOT AVAILABLE, THEN PLAN FOR TANK TRUCKS EVACUATION WITHIN TWO MINUTES AVAILABLE	Yes
25	ALL TTs HAVE VALID EXPLOSIVE LICENSE AND LAYOUT & FITTINGS ARE PROVIDED AS PER PESO APPROVED DRAWING	Yes
26	BATTERY TERMINALS HAVE PROTECTIVE RUBBER COVER.	Yes
27	ALL ELECTRICAL EQUIPMENTS LIKE GENERATOR SWITCHES, FUSE, CIRCUIT BREAKER AND BATTERY LOCATED INSIDE THE CABIN OR ENGINE COMPARTMENT.	Yes
28	HAND BRAKES OF TTs ARE IN WORKING CONDITION.	Yes
29	SELF STARTER OF TTs ARE IN WORKING CONDITION.	Yes
30	ALL TTs ARE HAVING VALID FITNESS CERTIFICATE FROM THE CONCERNED COMPETENT AUTHORITY (IES) FOR EXHAUST EMISSION / MECHANICAL FITNESS.	Yes
31	ALL TTs ARE FITTED WITH SAFETY RELIEF VALVES AND OTHER FITTINGS COMMENSURATE WITH THE SAFETY REQUIREMENTS	Yes
32	PROPER LIGHTING PROVIDED IN TANK FARM AREA	Yes
33	CONDITION OF EARTHING PROVIDED TO STRAGE TANKS FOUND AS PER GUIDELINES. MINIMUM TWO EARTH PITS PROVIDED AND CONNECTED TO EARTHING GRID.	Yes

Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage
C	BULK STORAGE / BULK LOADING / UNLOADING AREA	25	25	15

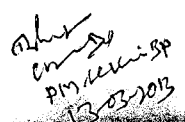
D	FILLING SHED / PRODUCT PUMP HOUSE	
1	AIR VAPOUR EXTRACTION UNIT PROVIDED NEAR ALL CRITICAL UNITS & DULY INTERLOCKED WITH CAROUSAL AND FOUND IN WORKING CONDITION.	Yes
2	ONLINE CHECK WEIGH SCALE IS INSTALLED AND FOUND IN WORKING CONDITION AND CALIBRATION CARRIED OUT ON DAILY BASIS WITH STANDARD WEIGHT.	Yes
3	DCVT / AVTS ARE WELL MAINTAINED & IN WORKING CONDITION. THE CALIBRATION OF AVTS & DCVT DONE AS PER GUIDELINES.	Yes
4	WEIGHT REDUCTION UNIT/ICU ARE WELL MAINTAINED & FOUND IN WORKING	Yes

13-03-2013

CONDITION.				
5	INLINE WATER BATH IS WELL MAINTAINED & FOUND IN WORKING CONDITION.			Yes
6	ONLINE WASHING UNIT & DRYING UNITS ARE FOUND IN WORKING CONDITION & ARE EFFECTIVE.			Yes
7	ONLINE VALVE REMOVAL & VALVE FIXING MACHINES FOUND IN WORKING CONDITION & MACHINES ARE CHECKED WITH TORQUE WRENCH.			Yes
8	DEGASSING FACILITIES IS IN WORKING CONDITION & DEGASSED CYLINDER CHECKED WITH EXPLOSIMETER.			Yes
9	HANDLING OF MARKET RETURN / WATER FILLED CYLINDER IS DONE AS PER LPG OPERATIONS GUIDELINES.			Yes
10	EVACUATION UNIT IS WELL MAINTAINED & FOUND IN WORKING CONDITION.			Yes
11	DEFECTIVE LEAKY FILLED CYLINDERS ARE EVACUATED IMMEDIATELY. NO LEAKY CYLINDERS ARE FOUND STORED IN THE SHED.			Yes
12	PURGING MACHINE INSTALLED & WORKING EFFECTIVELY.			Yes
13	SQC CONDUCTED AND FOUND WITHIN PERMISSIBLE LIMIT.			Yes
14	NO DEFECTIVE / MISSING O RINGS FOUND IN CYLINDERS DESPATCHED FROM PLANT ON RANDOM CHECKING.			Yes
15	ON RANDOM CHECKS NO STATUTORY TEST DUE CYLINDERS ARE FOUND FILLED WITH LPG.			Yes
16	ALL CYLINDERS STACKED VERTICALLY; CYLINDERS OF DIFFERENT CAPACITY & TYPE STACKED SEPARATELY AS PER NORMS.			Yes
17	ESCAPE ROUTES / EMERGENCY EXIT PROVIDED AND MARKED TOWARDS EXIT POINTS & PLAN FOR EVACUATION AVAILABLE.			Yes
18	WATER DRAINS FROM CYLINDER FILLING AREA WHERE THEY ENTER AN OUTSIDE DRAINAGE SYSTEM IS PROVIDED WITH VAPOUR SEAL.			Yes
19	DOUBLE MECHANICAL SEAL WITH SEAL FAILURE ALARM/TRIP, LOW COOLANT LEVEL ALARM/TRIP FOR LPG PUMPS ARE PROVIDED AND FOUND IN WORKING CONDITION.			Yes
20	LOW SUCTION PRESSURE TRIP / HIGH DISCHARGE PRESSURE TRIP / HIGH TEMPERATURE TRIP / LOW LUBE OIL OF LPG VAPOUR COMPRESSOR ARE PROVIDED & FOUND IN WORKING CONDITION.			Yes
21	SAFETY TRIPS LIKE COOLING WATER TEMPERATURE, LOW LUBE OIL ETC OF AIR COMPRESSOR ARE PROVIDED AND IN WORKING CONDITION.			Yes
22	AIR RECEIVER VESSELS ARE IN ACCEPTABLE CONDITION AND HYDRAULICALLY TESTED ONCE IN FOUR YEARS OR AS APPLICABLE UNDER STATE FACTORIES RULE.			Yes
23	VENTS (1.5 M ABOVE THE EYES OF THE STRUCTURE) PROVIDED FOR VENTING OF LPG AS PER LPG OPS CIRCULAR.			Yes
Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage
D	FILLING SHED / PRODUCT PUMP HOUSE	23	23	15

E ELECTRICAL INSTALLATION				
1	EARTHING SYSTEM IN LPG BP PROVIDED AS PER CIRCULAR REF.NO.LPG / ENG/117 DATED 06.03.01 & EARTHING PITS ARE AS PER IS 3043.			Yes
2	ALL EQUIPMENTS AND APPLIANCES ARE PROVIDED WITH DOUBLE EARTHING AS PER PROVISION OF ELECTRICITY ACT AND OISD.			Yes
3	FLAMEPROOF PORTABLE / INTRINSICALLY SAFE TORCHES / EQUIPMENTS ARE IN USE IN HAZARDOUS AREA.			Yes
4	EMERGENCY LIGHTS ARE AVAILABLE IN CRITICAL AREA.			Yes
5	THE LIST OF AUTHORISED PERSONS BEING MAINTAINED AS PER RULE NO. 3 OF INDIAN ELECTRICITY RULES.			Yes
6	ALL THE SUB STATION EQUIPMENTS ARE PROVIDED WITH DOUBLE EARTHING. NEUTRAL OF TRANSFORMER AND GENERATOR SEPARATELY DOUBLE EARTHED.			Yes





7	THE FUSES USED ARE OF HRC TYPE AND OF RATINGS SPECIFIED IN INDIVIDUAL PANEL.	Yes
8	CIRCUIT IDENTIFICATION MARKS / TAGS ARE PROVIDED FOR EACH CABLE.	Yes
9	CABLE INSULATION TEST CARRIED OUT ANNUALLY OR AS PRESCRIBED AND CERTIFICATES AVAILABLE.	Yes
10	ELECTRICAL RELAYS ARE TESTED ANNUALLY & RECORDS AVAILABLE.	Yes
11	NO LOOSE WIRE / TEMPORARY ELECTRICAL CONNECTIONS ARE OBSERVED.	Yes
12	ELECTRICAL SHOCK TREATMENT CHART / CAUTION BOARD DISPLAYED IN ELECTRICAL SWITCH ROOM/PMCC.	Yes
13	ISI MARK INSULATION MATS ARE PROVIDED IN ELECTRICAL SWITCH ROOM AND THEIR CONDITION IS SATISFACTORY(RUBBER MATS ACCEPTABLE TILL 31/12/2011).	Yes
14	RUBBER HAND GLOVES (WITH ISI MARK OR CONFORMING TO ISI) ARE IN USE.	Yes
15	GENERATORS ARE IN WORKING CONDITION AND THEIR FUEL TANKS ARE SECURED AWAY FROM THE EXHAUST OF DG SETS.	Yes
16	SAFETY TRIPS WHEREVER PROVIDED LIKE COOLING WATER TEMPERATURE, LOW LUBE OIL ETC OF DG SETS ARE PROVIDED AND IN WORKING CONDITION.	Yes
17	UPDATED SINGLE LINE ELECTRICAL LAYOUT DRAWINGS DISPLAYED IN PMCC.	Yes
18	WHETHER ELECTRICAL AUDIT IS CONDUCTED AS PRESCRIBED AND AUDIT POINTS ARE COMPLIED AS PER APPROVED TARGET.	Yes

Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage
E	ELECTRICAL INSTALLATION	18	18	12

F	FIRE FIGHTING SYSTEM / /SAFETY ITEMS	
1	SEQUENTIAL OPERATION PROCEDURES OF FIRE PUMP/ENGINES ARE ESTABLISHED / DISPLAYED & FOUND IN WORKING CONDITION DURING CHECKS.	Yes
2	DIESEL FUEL TANKS FOR FIRE ENGINES ARE REGULARLY TOPPED UP & PROPER VENT PROVIDED. POSITION OF DIESEL TANKS IS AWAY FROM THE ENGINE EXHAUST.	Yes
3	ALL SPRINKLERS ARE WELL MAINTAINED / FOUND IN WORKING CONDITION & TESTED AS PER OISD & RECORDS MAINTAINED.	Yes
4	STRAINER PROVIDED IN THE WATER SPRINKLER SYSTEM AND CLEANED ONCE IN A QUARTER AND RECORD MAINTAINED.	Yes
5	INSPECTION AND MAINTENANCE OF FIRE EXTINGUISHERS DONE AS PER LAID DOWN / PRESCRIBED SCHEDULES.	Yes
6	FIRE DRILLS CONDUCTED MONTHLY & RECORDS MAINTAINED.	Yes
7	SAND BUCKETS ARE PROVIDED IN ELECTRICAL SUBSTATION /MCC/DG ROOM / HT ROOM AS PER REQUIREMENTS AND FOUND FILLED WITH DRY SAND.	Yes
8	FIRE EXTINGUISHERS ARE PROVIDED AS PER OISD / STATUTORY REQUIREMENTS AND FOUND FUNCTIONING PROPERLY.	Yes
9	EFFECTIVE COMMUNICATION SYSTEM LIKE PA PAGING / WALKIE TALKIE PROVIDED AND WORKING SATISFACTORILY. ONLY INTRINSICALLY SAFE / FLAME PROOF EQUIPMENTS ARE USED IN HAZARDOUS AREA.	Yes
10	EMERGENCY RESPONSE DRILL CONDUCTED ONCE IN SIX MONTHS & RECORDS MAINTAINED.	Yes
11	FIRE FIGHTING PUMPS ARE OPERATED MINIMUM TWICE A WEEK CONTINUOUSLY FOR 30 MINUTES OR AS PRESCRIBED BY OEM WHICHEVER IS MORE AND LOG BOOK MAINTAINED.	Yes
12	CONDITION OF BATTERY FOR FIRE ENGINES / DG SETS ETC IS SATISFACTORY.	Yes
13	FIRST AID FIRE FIGHTING TROLLEY IS AVAILABLE AS PER OISD-144/ HO S&EP CIRCULAR REF.NO. 7/2001 DATED 14.11.2001.	Yes
14	AT FARTHEST POINT OF HYDRANT LINE 7 KG / CM2 PRESSURE IS MAINTAINED WITH HELP OF JOCKEY PUMP OPERATING AUTOMATICALLY.	Yes
15	HYDRANT/MONITORS ARE PROPERLY DISTRIBUTED IN CRITICAL AREAS.	Yes

PMCC  
 13-03-2013


16	CONSUMPTIONS / RECEIPT OF SAFETY EQUIPMENT IS UPDATED ON SAP EVERY MONTH	Yes
17	QUANTITY OF CO2 CARTRIDGES AND DCP ARE SUFFICIENT AND KEPT IN A STORE ROOM (AS PER OISD 144/169).	No
18	HISTORY AND CHECKING OF FIRE EXTINGUISHERS ARE MAINTAINED AND RECORDS AVAILABLE.	Yes
19	FIRE HOSES ARE AVAILABLE AS PER OISD-144/169.	Yes
20	EMERGENCY ALARM LIKE HAND OPERATED SIREN/ ELECTRICAL SIREN /MCP/ETB ARE PROVIDED AT STRATEGIC LOCATIONS & FOUND IN WORKING CONDITION.	Yes
21	FIRE SIREN CODES ARE DISPLAYED AT PROMINENT PLACE.	Yes
22	IN FIRE HYDRANT MAIN ISOLATION VALVE EXIST FOR ISOLATION OF EACH SECTION.	Yes
23	ALL VALVES ON THE FIRE WATER RING MAIN/HYDRANT/ MONITOR VALVES CHECKED FOR LEAKS/OPERATION AND LUBRICATED ONCE IN MONTH AND RECORD MAINTAINED & NO LEAKS OBSERVED.	Yes
24	EXPLOSIMETER AVAILABLE IN WORKING CONDITION, CALIBRATED YEARLY & OFFICERS ARE CONVERSANT OF ITS OPERATION.	Yes
25	RETURN LINE TO TANK IS AVAILABLE IN FIRE WATER TANK FOR FLUSHING THE HYDRANT LINE AS PER M&I GUIDELINES OR SECTIONWISE FLUSHING IS BEING DONE.	Yes
26	FIRE HYDRANT SYSTEM IS IN HEALTHY OPERATING CONDITIONS AND KEPT UNDER PRESSURE WITH JOCKEY PUMP. NO LEAKAGE / CORROSION OBSERVED.	Yes
27	ALARM INDICATION SYSTEM LIKE LOW LUBE OIL, HIGH WATER TEMPERATURE FOR FIRE FIGHTING ENGINES IS PROVIDED AND WORKING.	Yes

Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage
F	FIRE FIGHTING SYSTEM // SAFETY ITEMS	27	26	20

G	TT PARKING AREA	
1	TRUCK PARKING AREA PROVIDED AT LOCATIONS FOUND ADEQUATELY COVERED BY HYDRANT SYSTEM.	No
2	NO TT CREW FOUND LOITERING / SLEEPING / COOKING BENEATH THE TANK TRUCK OR IN TT PARKING AREA.	Yes
3	TT PARKING AREA IS AS PER APPROVED PLAN / GUIDELINES FROM HO / WITH PARKING SLOTS / SPEED BREAKERS / SPEED LIMIT BOARDS AND ENTRY / EXIT CONTROL.	No
4	TT CREW REST ROOM FACILITIES ARE MAINTAINED CLEAN & IN HYGIENIC CONDITION.	Yes
5	DO S AND DON TS AND SAFE DRIVING PRACTICES HAVE BEEN DISPLAYED IN DRIVERS REST ROOM IN LOCAL LANGUAGE AND HINDI.	Yes

Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage
G	TT PARKING AREA	5	3	10

H	CONSTRUCTION & MAINTENANCE SAFETY	
1	DO S AND DON TS DISPLAYED AT CONSTRUCTION SITE IN LOCAL & HINDI / ENGLISH LANGUAGES.	Yes
2	INSTALLATION OF ELECTRICAL EQUIPMENTS / SYSTEM AND REPAIRS OR MODIFICATIONS IN EXISTING ELECTRICAL SYSTEM OF THE LOCATION IS CARRIED OUT THROUGH LICENSED ELECTRICAL CONTRACTOR (S).	Yes
3	FOR CONSTRUCTION / MAINTENANCE JOB PPE INCLUDING SAFETY SHOES, SAFETY HELMETS, HAND GLOVES, SAFETY GOGGLES ETC. ARE IN USE	Yes
4	ALL MAINTENANCE WORKS AND CONSTRUCTION WORKS ARE DONE UNDER THE SUPERVISION OF COMPETENT PERSONS OF CONTRACTOR AND / OR REPRESENTATIVE OF IOCL AND WORK PERMIT FOR HOT / COLD / /ELECTRICAL ISOLATION AND ENERGISATION /WORKING AT HEIGHT, ETC IS IN USE.	Yes

  
 PM & LMS  
 13-03-2013

5	DAILY SAFETY TALK BEFORE START OF WORK AT SITE IS GIVEN BY THE SITE SUPERVISOR AND RECORDS MAINTAINED.	Yes
6	NO UNAUTHORISED CONTRACT WORKER IS ALLOWED FREE ACCESS IN OPERATING AREA.	Yes
7	POWER CONNECTION PROVIDED TO THE CONTRACTOR IS THROUGH APPROVED TYPE OF ISOLATORS, CABLES, GLANDS AND EARTHING DEVICES. NO LOOSE / TEMPORARY CONNECTIONS OBSERVED.	Yes
8	WHILE CARRYING OUT THE WORK ADJACENT TO THE OPERATING AREA ALL REQUISTE SAFETY PRECAUTIONS INCLUDING PROVISION OF FIRE SCREEN, FIRE FIGHTING EQUIPMENTS, RUNNING WATER ETC AS REQUIRED FOR THE JOB ARE COMPLIED. FIRE TENDER IS TO BE PROVIDED IF REQUIRED.	Yes
9	PAINTING AND WELDING JOBS NOT CARRIED OUT SIMULTANEOUSLY AT SAME WORK AREA / LOCATION / SYSTEM.	Yes
10	WHILE WORKING AT HEIGHT, FULL BODY SAFETY HARNESS WITH LIFE LINE IS IN USE BY WORKERS	Yes

Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage
H	CONSTRUCTION & MAINTENANCE SAFETY	10	10	10

I	GENERAL / HOUSE KEEPING / HYGIENE	
1	LICENSE AREA IS FREE OF BURNT MATCH STICK/BIDI/CIGARETTE.	Yes
2	FRISKING OF ALL PERSONNEL IS DONE BEFORE THEIR ENTRY INTO HAZARDOUS AREA.	Yes
3	NO LPG LEAKAGES OBSERVED IN THE PLANT AREA BEYOND PERMISSIBLE LIMIT.	Yes
4	DO S AND DON TS AND OPERATING INSTRUCTIONS DISPLAYED FOR ALL OPERATING EQUIPMENTS INCLUDING TT PARKING AREA.	Yes
5	ALL ROTARY EQUIPMENTS HAVE BEEN PROVIDED WITH COUPLING GUARD.	Yes
6	SCRAPS / UNSERVICEABLE MATERIALS ARE KEPT IN MARKED SCRAP YARD ONLY AND SAME ARE DISPOSED OFF REGULARLY.	Yes
7	ALL EMPLOYEES AND CONTRACTOR LABOURERS / CASUAL LABOURERS / SECURITY / TT CREW ETC ARE TRAINED AS PER OISD 154 MODULES.	Yes
8	ALL STRUCTURES, BUILDING, PIPELINES & FACILITIES ARE PAINTED AS PER SCHEDULE & PIPELINE COLOUR CODE SYSTEM MAINTAINED. PAINT CONDITIONS FOUND ACCEPTABLE.	Yes
9	ALL STRUCTURED MEETINGS PRECEDE WITH SAFETY RELATED INFORMATION SHARING.	Yes
10	SAFETY OBSERVATIONS ARE COMPLIED IN THE INTRANET REGULARLY	Yes
11	STANDARD OPERATING PROCEDURES DULY APPROVED BY LOCATION CHARGE IS DISPLAYED AT ALL WORK STATIONS	Yes
12	HYGIENE MAINTAINED IN CANTEEN i.e. WASH AREA, REFRIGERATOR / FRIDGE, KITCHEN AND DINNING AREA.	Yes
13	UTENSILS / CROCKERIES USED IN CANTEEN FOUND CLEAN AND IN ACCEPTABLE HYGIENIC CONDITION.	Yes
14	QUALITY OF CANTEEN FOOD FOUND HYGIENICALLY ACCEPTABLE.	Yes
15	WATER COOLER MAINTAINED AND FOUND WORKING PROPERLY.	N/A
16	POTABILITY TEST FOR DRINKING WATER CARRIED OUT AND TEST RESULTS ARE AVAILABLE.	Yes
17	IN CYLINDER BANK 10 KG DCP FE, DOUBLE WIRE MESH MADE OF COPPER OR NON CORRODING METAL OF NOT LESS THAN 11 TO LINEAR CM (11 MESH PER LINEAR CM) AVAILABLE AND ISOLATION VALVE IS OUTSIDE THE CANTEEN / CYLINDER BANK AND CLOSING / OPENING SIGN DISPLAYED.	N/A
18	ALL OBSERVATIONS OF LAST MDT INSPECTION ARE COMPLIED AS PER APPROVED TARGET ( DEVIATION UTO 20 % ) BUT WITHIN THE GUIDELINES TO THE TIME FRAME IN THIS REGARD.	Yes
19	NO ESA POINTS PENDING FOR MORE THAN 2 YEARS.	Yes

20	SAFETY AWARENESS OF OFFICER IS MORE THAN 75%.			Yes
21	HOUSE KEEPING IN AND AROUND THE PLANT IS FOUND SATISFACTORY.			Yes
22	STORM WATER DRAIN, OTHER RUN OFF DRAINS FOUND CLEAN FREE FROM OBSTACLES. THE DRAIN NEAR EMERGENCY EXIT IS COVERED WITH CHEQUERED PLATE OR CONCRETE SLAB.			Yes

Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage
I	GENERAL / HOUSE KEEPING / HYGIENE	20	20	10

J	CRITICAL PARAMETER	
1	HOT/COLD/ELECTRICAL ISOLATION AND ENERGISATION, WORKING AT HEIGHT WORK PERMITS ARE FOUND IN USE AND NO VIOLATIONS FOUND.	Yes
2	STATUTORY TESTING OF STORAGE VESSELS DONE AS PER NORMS AND TEST CERTIFICATE (S) AVAILABLE.	Yes
3	HYDRO TEST OF FIRE EXTINGUISHER DONE ONCE IN THREE YEARS OR AS PRESCRIBED / STATUTORILY REQUIRED AND RECORDS AVAILABLE.	Yes
4	SAFETY CHECKS OF TANK TRUCKS ARE CARRIED OUT REGULARLY & RECORDS MAINTAINED.	Yes
5	ALL GAUGES, VIZ. TWO INDEPENDENT LEVEL GAUGE INDICATORS, PRESSURE & TEMP. GAUGES, HIGH LEVEL ALARM SWITCH ETC ARE PROVIDED ON STORAGE VESSEL AND FOUND IN WORKING CONDITION.	Yes
6	HIGH LEVEL ALARMS PROVIDED IN STORAGE VESSELS INTERLOCKED WITH ROVs. (CHECK FOR AUDIO VISUAL IN PPH).	No
7	REMOTE OPERATED VALVE (ROVs) ARE IN WORKING CONDITION AND OPERABLE BOTH FROM LOCAL AS WELL AS REMOTE POSITION.	Yes
8	VAPOUR TRAP EXISTS IN THE SUMP OF EACH VESSEL APRON BEFORE DISCHARGING IN THE STORM WATER DRAIN AS PER OISD 144 AND WATER SEAL MAINTAINED PROPERLY.	Yes
9	INTERLOCK SHUT DOWN SYSTEM AS PER OISD-144 CLAUSE NO.11.11 (iv) IS AVAILABLE AND IN WORKING CONDITION.	No
10	BONDING / EARTHING OF BULK TRUCKS DONE PROPERLY. ALL METALLIC STRUCTURES ARE PROPERLY EARTHED.	Yes
11	BULK & STAKE TRUCKS ENTERING PLANT OPERATIONAL AREA HAVE CCOE APPROVED SPARK ARRESTOR.	Yes
12	NO FLAMMABLE / PROHIBITED SUBSTANCES LIKE BIDDI /CIGARETTE, PETROL/ DIESEL CAN, MATCH BOX ETC ARE FOUND IN BULK/STAKE TRUCK CABIN.	Yes
13	NO LOOSE / TEMPORARY WIRING FOUND IN TT.	Yes
14	LPG CYLINDERS WITH SAFETY CAP IF INTRODUCED IN CAROUSAL / FILLING M/C, LPG FILLING OPERATION DOES NOT START OR NO LEAKAGE OBSERVED FROM FILLING GUN.	Yes
15	EVACUATION VESSELS BELOW 1 MT ARE HYDRAULICALLY TESTED ONCE IN FOUR YEARS OR AS APPLICABLE UNDER STATE FACTORIES RULE & EQUIPPED WITH WORKING PRESSURE GAUGE, LEVEL GAUGE, HIGH LEVEL ALARM, PRESSURE SRVS, ETC & PROVIDED WITH SWITCH OVER ARRANGEMENT	Yes
16	MASTIC FLOORING IN CYLINDER SHED HAS BEEN PROVIDED & MAINTAINED.	Yes
17	LPG HOSES FOR CAROUSAL FILLING GUN/EVACUATION GUN/ICU ARE TESTED ONCE IN FOUR MONTHS AS PER OISD-135 AND RECORDS MAINTAINED.	Yes
18	CABLE ENTRY AT JUNCTION BOX IN HAZARDOUS AREA IS THROUGH DOUBLE COMPRESSION GLANDS (PROPER EMBOSING OF CMRI/CMRI NO. AVAILABLE FOR FLAME PROOF ). GLANDS ARE PROPERLY TIGHTENED AND CABLES IN THE GLANDS ARE NOT LOOSE.	Yes
19	EARTHING RESISTANCE FOR INDIVIDUAL EARTH PITS IN ISOLATED CONDITION, FOR GRID AND CONTACT RESISTANCE POINTS IS WITHIN PRESCRIBED LIMITS AND RECORDS PROPERLY MAINTAINED.	Yes
	LIGHTNING PROTECTION ARE PROVIDED IN ALL FILLING SHEDS / PRODUCT PUMP	

20	HOUSE / TLF / TW GANTRY AS PER CIRCULAR REF.NO.LPG / ENG/117 DATED 06.03.01.	Yes
21	FLAME PROOF EQUIPMENT ARE PROPERLY TIGHTENED WITH STANDARD FASTENERS AND NO FASTENER IS MISSING	Yes
22	HYDRANT SYSTEM / SPRINKLER SYSTEM IS ON AUTO.	Yes
23	WATER TANKS FOR FIRE FIGHTING ARE KEPT FULL ( MINIMUM UPTO OISD NORMS) CLEANED AS PER SCHEDULE AND LEVEL GAUGES ARE IN WORKING CONDITION	Yes
24	FIRE ENGINES AVAILABLE AS PER OISD-144.	Yes
25	WATER STORAGE IS AVAILABLE AS PER OISD-144/169.	Yes
26	GAS MONITORING SYSTEM & SENSORS ARE PROVIDED AS PER OISD 144 / WORKING / CALIBRATION DONE & RECORDS MAINTAINED.	No
27	PERSONAL PROTECTIVE EQUIPMENT SUCH AS HAND GLOVES / SAFETY SHOES / SAFETY HELMETS ETC ARE IN USE.	Yes
28	ALL DELUGE VALVES ARE WELL MAINTAINED/ FOUND IN WORKING CONDITION & TESTED ONCE IN A QUARTER & RECORDS MAINTAINED.	Yes
29	HYDRANT / MONITORS / DELUGE VALVE ARE EASILY ACCESSIBLE AND OPERABLE	Yes

Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage
J	CRITICAL PARAMETER	29	26	16

SUMMARY					
Topic	Topic Detail	Total Applicable Marks	Marks Obtained	Weightage	Safety Index
A	LICENSES / APPROVALS / CERTIFICATES / DISPLAY	18	17	8	7.56
B	ACCIDENT REPORTING AND INVESTIGATION	4	4	4	4.0
C	BULK STORAGE / BULK LOADING / UNLOADING AREA	25	25	15	15.0
D	FILLING SHED / PRODUCT PUMP HOUSE	23	23	15	15.0
E	ELECTRICAL INSTALLATION	18	18	12	12.0
F	FIRE FIGHTING SYSTEM / SAFETY ITEMS	27	26	20	19.26
J	CRITICAL PARAMETER	29	26	16	14.34
G	TT PARKING AREASub Total :	144	139	90	87.16
H	CONSTRUCTION & MAINTENANCE SAFETY	10	10		
I	GENERAL / HOUSE KEEPING / HYGIENE	20	20		
Sub Total :		35	33	10	9.43
Total :		172.00	100	96.59	

Addition points	
PENALTY MARKS ON ACCOUNT OF NON COMPLIANCE OF MDT POINTS PENDING FOR TWO YEARS OR MORE (-1) (EVEN IF APPROVAL TAKEN FOR EXTENSION OF TARGET)	N/A
PENALTY MARKS ON ACCOUNT OF NOT FOLLOWING ACCIDENT REPORTING, INVESTIGATION ANALYSIS - POLICY GUIDELINES (-2)	N/A

OVERALL SAFETY INDEX	96.58
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## OVERALL STATUS OF SAFETY

VULNERABLE

(Signature with date)

LOCATION INCHARGE:

Name: --Bharat Chandra Das

Designation: 00 PM

(Signature with date)

WITNESS BY:

Name: Mr.SUDIPTA SAHA

Designation: MGR(PLANT)

(Signature with date)

AUDITED BY:

Name: Mr.P.K.Dutta

Designation: Mgr(LPG-OPS)

## Current Points

Section Header	Section Serial No.	Description	Target Date	Comply Date	Status
G	1	Extension of fire water line taken up. New	31/05/2013		N
G	3	work in progress.	31/05/2013		N
J	6	Tendering being done for GMS,ILSD & HLA.	30/09/2013		N
J	9	Tendering being done for GMS,ILSD & HLA.	30/09/2013		N
A	14	To be complied	31/03/2013		N
F	17	powder to be arranged.	30/04/2013		N
J	26	Under tendering stage	30/09/2013		N

## Additional Points

Section Header	Section Serial No.	Description	Target Date	Comply Date	Status
*	1	GMS is not working to be upgrated and to be made funtional	30/09/2013		N
*	2	HLA & ROV to be interconnected	30/09/2013		N
*	3	Brick pitching/Concreteing to be done below Hydrant lines.	31/08/2013		N
*	4	Scrap yard should be properly marked all scrap to be kept there..	30/04/2013		N
*	5	Vapour Ext. unit to be reposioned	30/06/2013		N
*	6	Concertina wire to be provided all along the boundery wall.	30/06/2013		N
*	7	Cross over platform to be provided with hand rail	31/05/2013		N
*	8	Key box to be provided at TLD	31/03/2013		N
*	9	Internal road around shed should be free from pot holes.	30/09/2013		N
*	10	Painting of all the display boards are to be done.	30/04/2013		N
*	11	Gross cutting is to be done & dry grass to be removed.	30/04/2013		N

## Previous Pending Points

Inspection No.	Section Header	Section Serial No.	Description	Target Date	Comply Date	Status
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S. SAHA  
MGR(P)  
LPG Import Plant  
Kandla.

AM(P), Barani BP.  
13/03/13.

PM, Security  
13-03-2013

13-03-2013



# **MOCK FIRE DRILL REPORT - LPG PLANT**

Location : SEKMAI BP  
 Region : ERO  
 Inspection by : MDT

Location in charge : B.C.DAS  
 State Office : NEISO  
 Date : 13.03.2013

- 1.0 Location of Emergency : TLD  
 2.0 Nature of Emergency : Leakage from unloading arms  
 3.0 Date of the drill : 13.03.2013  
 4.0 Details of response time :

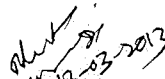
S/No.	Activity	Time	Response (Detailed description of Activity)
4.1	Emergency spotted at	2:40	
4.2	Alarm raised (Vocal/ Hand siren)	2:40	
4.3	Electrical siren (wailing)	2:41	
4.4	Sprinkler started	2:42	Fire Engine started
4.5	Monitor started	2:42	
4.6	DCP Fire Extinguisher discharged	2:41	
4.7	Rescue team on site	2:42	
4.8	All Bulk TTs evacuated		
4.9	All packed TTs evacuated		
4.10	Mutual Aid members on site	NA	
4.11	Keep adding relevant activities		All clear siren at 2:44. Fire call again at 2:45 PM; Fire Engine restarted and sprinkler operated at 2:46
4.12	All clear signal given at	2:50	
4.13	Electrical All clear siren	2:50	

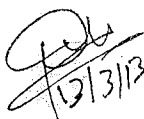
5.0 **Feature of the Drill :**  
 To assess the emergency preparedness

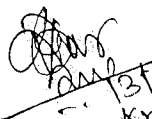
6.0 **Overall assessment of preparedness or emergencies :** GOOD

7.0 **Areas of improvement :**  
 1. Water should be conserved during fire fighting  
 2. More training to be imparted to all persons involved in Hose operation  
 3. Discharge of water from sprinkler should be appropriate as per OISD 144  
 4. Use of SCABA to be imparted to contract workmen

8.0 **Training imparted :** YES

  
 Signature  
 Location in charge

  
 P.K.DUTTA  
 M (SH&E), AOD

  
 BRAJESH KUMAR SINHA  
 AM (P), BARAUNI BP

  
 SUDIPTA SAHA  
 Mgr (Ops), KANDLA BP

# REGISTRATION AND LICENSE TO WORK A FACTORY

Annexure-V

Registration No. 94/FACT/LPG..BOTTLING PLANT Annual Renewal 29,000/-  
Serial No.....94 (old.) / 28 (new) License Fee Rs 1,500/-.....  
Type of Factory: LPG..ETLG..PLANT "INDANE BOTTLING PLANT" SERIES,

License is hereby granted to M/s... INDIAN OIL CORPORATION LTD. (ASSAM PETROLEUM)  
Proprietor/Occupier Shri/Smt/Km ..SHRI. R.K. BHARMA, Executive Director.....  
of INDIAN OIL CORPORATION LIMITED (IOP) IMPHAL..... P.O.....  
P.S. .... Valid only for the premises described below for use as a  
factory employing not more than... 80 ... persons on any one day during the year and using motive  
power not exceeding... 563 ... H.P. (Elect/Diesel) subject to the provisions of the factory Act 1948 and  
the rules made thereunder.

The license shall remain in force till the 31<sup>st</sup> day of December, 2006.

Place: Imphal (Lamphalpat)  
Date.. 03/08/2006.

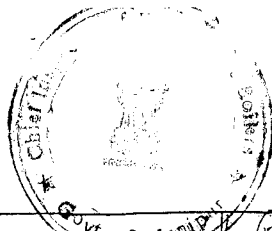
*[Signature]*  
Chief Inspector of Factories & Boilers,  
Govt. of Manipur  
15/8/06

## DESCRIPTION OF THE LICENSE PREMISES

The license premises shown on plan No. F-11/IND/2003.. dated.. 12-02-2004 are  
situated at... Sekmai, Imphal West District.....  
under Patta No... Annexure - A ... C.S. Dag No... .. P. O ... Sekmai.....  
..... P.S. ... Sekmai..... and consist of:-

- 
- Particulars of Machineries as at Annexure - B
- 

Date of Renewal	Date of Expiry	Signature of licensing Authority
1st January 2007	31st December 2007	<i>[Signature]</i> 13/3/07 By, Chief Inspector of Factories & Boilers Govt. of Manipur
1st January 2008	31st December 2008	<i>[Signature]</i> 26/2/08 By, Chief Inspector of Factories & Boilers Govt. of Manipur
1st January 2009	31st December 2009	<i>[Signature]</i> 2-12-08 By, Chief Inspector of Factories & Boilers Govt. of Manipur
1st January 2010	31st December 2010	<i>[Signature]</i> 31/5/2010 Thaitai Chuan Chief Inspector of Factories & Boilers Govt. of Manipur
1st January 2011	31st December 2011	<i>[Signature]</i> 6/1/2011 Thaitai Chuan Chief Inspector of Factories & Boilers Govt. of Manipur
1st January 2012	31st Dec. 2012	<i>[Signature]</i> Chief Inspector of Factories & Boilers Govt. of Manipur



Date of Renewal

Date of Expiry

Signature of Licensing Authority

1st January 2013

31st December 2013

Chief Inspector of Factories & Boilers  
Govt. of Manipur

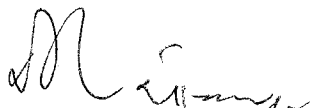
*[Signature]*  
11/3/2013



ANNEXURE - B

PARTICULARS OF MACHINERIES INSTALLED.

Sl.No.	particulars	Quantity
1.	LPG Transfer pumps	2 nos.
2.	Vaccum pump	1 "
3.	cooling water pumps	2 "
4.	LPG Compressors	3 "
5.	Air compressors	2 "
6.	Exhaust blower	2 "
7.	Carousel Filling machine	1 "
8.	chain conveyor	1 set
9.	Tube well pumps	2 nos.
10.	Jockey pumps	2 "
11.	Digressing & De-watering	1 "
12.	soap solution mixture	1 "
13.	Water pumps	2 "
14.	Valve screw/Un-screw M/C	1 "
15.	Weigh bridge	1 "
16.	Cyl.Washing unit for blower	1 "
17.	Cyl.Washing unit for pumps	1 "
18.	250 KVS DG set	2 set
19.	125 KVA DG set	1 "
20.	LPG storage bullets	4 NOS
21.	Fire Water Tanks	2 "
22.	630 KVA 11/0.415 KV Transformer	1 "
23.	Electrical distribution panel	1 set
24.	110V DC system with battery bank & Fuel	1 set
25.	communication & paging system	1 set
26.	Gas Detection & safety system	1 set
27.	Fire Engine	5 NOS
28.	High Mast	3 NOS
29.	Fire Hydrant network & sprinkler system	1 set.

  
(Dhiraj Yumnam) 8/8/2006  
Chief Inspector of Factories & Boilers  
Cum-Director of Commerce & Industries,  
Manipur.  
Chief Inspector of Factories & Boilers  
Govt of Manipur

No.7/8/2012/DFO/C  
Government of Manipur  
Office of the Divisional Forest Officer  
Central Forest Division, Imphal

Annexure - VI

Mantripukhri, the 10<sup>th</sup> January, 2013

To,  
✓ Plant Manager,  
LPG Bottling Plant, Sekmai  
Indian Oil Corporation Ltd.  
(North East Integrated State Office)

Sub: Green Belt Development around the plant premises of LPG Bottling Plant, Sekmai

Ref: IOCL/NEISO/PG BP-Sekmai/12-13/180 dated the 11<sup>th</sup> September, 2012

Sir,

Inviting your kind attention to the above mentioned reference letter from your good office, the undersigned visited the LPG Bottling Plant in Sekmai along with the range officers of Sadar East and West on 9<sup>th</sup> January 2012. The plant area which is currently working and the extra facility to be created were inspected for the possibility of development of a green belt around the plant as per the CPCB guidelines. The residential area adjacent to the plant area was also visited.

The following are the findings on account of the inspection conducted

1. The plant area where the activities of bottling takes place is spread over a campus of area 30 acres (inclusive of the additional facility to be installed)
2. Presently the vegetation occurring along the boundary is sparse but for weeds and dried grasses which can pose a threat of fire.
3. Some plantation initiative was taken on the North-western boundary of the plant area where the species predominantly planted were *Tectona grandis*.
4. The growth of the plants planted 4-5 years back were found to be stunted. Though teak is a fire hardy species this is not suited for this area since the growth rate is very low and the leaf area index is minimal for this zone.
5. The grass growth inside the boundary where the LPG bullets were installed was found to be cut back on a regular basis to avoid the fire hazard.
6. The width of land available for creation of green belt varied from 5m to 30m around the plant area.
7. The major constraint of land availability for the creation of green belt is on the Western side where the additional storage facility is being created.
8. Two high tension Electric Transmission lines are running over the residential area of the plant which adjacent and separated by a brick wall.
9. The residential area is devoid of any trees and vastly covered by dried grasses and weeds.
10. A water hole was dug up on the residential area adjacent to the plant area, major portion of which was dried up.
11. The South-Eastern boundary of the plant area was found to have the problem of water-logging.

Based on the above mentioned observations the following are the recommendations for development of a greenbelt around the plant area:-

1. The specific guidelines of MoEF in its Environmental Clearance for the plant state the requirement of a minimum of 33% of the plant area to be under Green Belt area.
2. To meet this requirement strip plantation of a minimum width of 35m along the boundary of the plant area is recommended.

3. To meet this requirement especially in the area where the additional storage facility is required plantations have to be done outside the boundary of the plant area also. This may be made possible by either acquiring the required land or by taking it on lease. The width of plantation outside the boundary of the plant area will depend on the width of land available inside the plant.
4. The spacing proposed for trees and bamboo is 3m×3m which is adequate for the present site.
5. The ornamental species, shrubs and grasses to be planted in the foremost row will have a spacing varying from 1m×1 to 2m×2m depending on the size of the plant.
6. The structure of the plantation to be adopted is ornamental evergreen trees and shrubs on the foremost row, followed by trees of medium height in the second and third row, evergreen trees with thick foliage and maximum height in the middle rows and finally thickets of bamboo and cane on the farther most boundary.
7. The plantation will be carried out in raised bunds where the problem of water logging is there.
8. The nursery for raising seedlings has to be established in the month of August-September-October.
9. The seedlings will be planted out in the month of June-July.
10. In the 1<sup>st</sup> of plantation three weeding operations will be carried out in the months of September, January and May
11. In the second year two weeding operations will be carried out in the months of September and February along with maintenance of the plantation which will include beating up of casualties (20-30% casualties are common in the plantations which are again replaced in the next year). For maintenance the well grown seedlings which are kept in the nursery will be used.
12. In the third year of plantation one weeding will be done in the month of September.
13. In the buffer zone of plant planting of trees are not recommended due to fire hazard. But, the model adopted in Nagaland which involves use of Plantain which is a fire retardant species is found to be successful. This model may be adopted if necessary.
14. Apart from the strip planting done in the boundary the campus area will be planted with moderately high ornamental trees and shrubs in view of the aesthetics.
15. The residential campus which covers an area of 32 acres is devoid of trees and will be planted up in the similar fashion as with the plant area.

The species recommended for the plantation are listed in **Annexure-I**

To conclude, there is an urgent requirement for greening up the campus area which is mostly devoid of vegetation. The plantation activity has to be phased out over a period of 3-4 years with adequate maintenance. Technical help can be sought from Forest Department. The facilities and staffs available in Sekmai Beat Office under Sadar East Range of the Central Forest Division can be made use of for the implementation of the above mentioned Green Belt.

Yours faithfully,



(D.K. Vinod Kumar, IFS)  
DFO, Central Forest Division  
Govt. of Manipur

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2. CCF-TP(III), Govt. of Manipur
3. CF, Central Circle, Govt. of Manipur

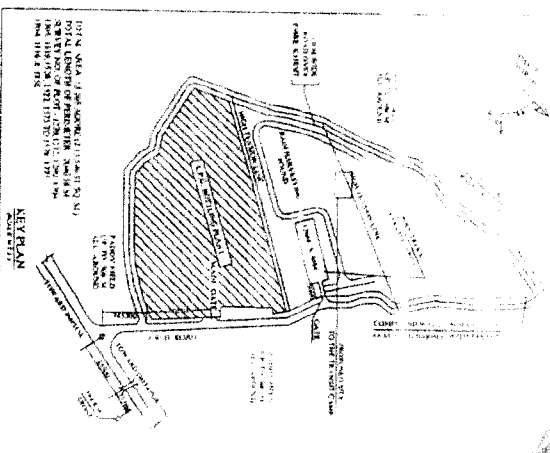
**Annexure-I (Species recommended for plantation of Green Belt around LPG Bottling Plant, Sekmai, as per CPCB Guidelines (2000) for Eastern Himalayas (Southern Hills))**

Sl.No	Species	Sl.No	Species
1	<i>Abutilon indicum</i>	45	<i>Cassia siamea</i>
2	<i>Acacia leucophloea</i>	46	<i>Ceiba pentandra</i>
3	<i>Acer campbelli</i>	47	<i>Celtis australis</i>
4	<i>Acer negundo</i>	48	<i>Citrus limon</i>
5	<i>Achras sapota</i>	49	<i>Clerodendron infortunatum</i>
6	<i>Actinodaphnae angustifolia</i>	50	<i>Cordia dichotoma</i>
7	<i>Adenanthera pavonina</i>	51	<i>Coriaria nepalensis</i>
8	<i>Adina cordifolia</i>	52	<i>Dalbergia sisoo</i>
9	<i>Aegle marmelos</i>	53	<i>Delonix regia</i>
10	<i>Aesculus indicus</i>	54	<i>Dendrocalamus strictus</i>
11	<i>Ailanthus altissima</i>	55	<i>Derris indica</i>
12	<i>Ailanthus excelsa</i>	56	<i>Dryptes roxburghii</i>
13	<i>Alangium chinense</i>	57	<i>Duranta repens</i>
14	<i>Albizia chinensis</i>	58	<i>Emblica officinalis</i>
15	<i>Albizia lebeck</i>	59	<i>Erythrina variegata</i>
16	<i>Albizia procera</i>	60	<i>Eucalyptus hybrid</i>
17	<i>Alnus nepalensis</i>	61	<i>Exbuclandia populnea</i>
18	<i>Alstonia scholaris</i>	62	<i>Ficus benghalensis</i>
19	<i>Anthocephalus chinensis</i>	63	<i>Ficus benjamina</i>
20	<i>Aphanamyxis polystachya</i>	64	<i>Ficus elastica</i>
21	<i>Artocarpus heterophyllus</i>	65	<i>Ficus religiosa</i>
22	<i>Artocarpus lacucha</i>	66	<i>Ficus semicordata</i>
23	<i>Azadirachta indica</i>	67	<i>Gardenia jasminoides</i>
24	<i>Balanites roxburghii</i>	68	<i>Grevillea robusta</i>
25	<i>Bambusa arundinacia</i>	69	<i>Hibiscus rosa-sinensis</i>
26	<i>Bambusa vulgaris</i>	70	<i>Ixora chinensis</i>
27	<i>Barringtonia acutangula</i>	71	<i>Jacaranda mimosaeifolia</i>
28	<i>Bauhinia acuminate</i>	72	<i>Juniperus communis</i>
29	<i>Bauhinia purpurea</i>	73	<i>Lagerstroemia parviflora</i>
30	<i>Bauhinia racemosa</i>	74	<i>Lagerstroemia speciosa</i>
31	<i>Betula alnoides</i>	75	<i>Lawsonia inermis</i>
32	<i>Bischcofia javanica</i>	76	<i>Madhuca longifolia</i>
33	<i>Bougainvillea spectabilis</i>	77	<i>Mangifera indica</i>
34	<i>Bridelia squamosa</i>	78	<i>Millingtonia hortensis</i>
35	<i>Broussonetia papyrifera</i>	79	<i>Moringa oleifera</i>
36	<i>BUchanania lanzen</i>	80	<i>Morus alba</i>
37	<i>Butea monosperma</i>	81	<i>Nerium indicum</i>
38	<i>Callistemon citrinus</i>	82	<i>Nyctanthus arbour-tristis</i>
39	<i>Calotropis gigantean</i>	83	<i>Pinus khasiana</i>
40	<i>Calotropis procera</i>	84	<i>Polyalthia longifolia</i>
41	<i>Carissa spinarum</i>	85	<i>Populus alba</i>
42	<i>Cassia fistula</i>	86	<i>Populus deltoides</i>
43	<i>Cassia javanica</i>	87	<i>Quercus serrata</i>
44	<i>Cassia pumila</i>	88	<i>Salix babylonica</i>
89	<i>Salix tetrasperma</i>	96	<i>Terminalia arjuna</i>
90	<i>Sapindus emarginatus</i>	97	<i>Terminalia bellerica</i>
91	<i>Sapium sebiferum</i>	98	<i>Thevetia peruviana</i>
92	<i>Sesbania grandiflora</i>	99	<i>Thuja plicata</i>
93	<i>Syzygium cuminii</i>	100	<i>Trema orientalis</i>
94	<i>Tamarindus indicus</i>	101	<i>Ulmus wallichiana</i>
95	<i>Tecoma stans</i>	102	<i>Zizyphus mauritiana</i>



LAYOUT PLAN  
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## KEY PLAN

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Half yearly Compliance Report of Bongaigaon Refinery, (BGR) for "Refinery Expansion", "Diesel Hydro Treatment Plant", "MS Maximisation Project", "MS Quality Improvement Project" & "Indmax Project"

Public Notice for e-tenders

2<sup>nd</sup> Environmental Clearance Compliance Report Cambay Basin (Gujarat)

Environmental Clearance of Exploration Karnataka (Bangalore)

- Gulbarga Taluk
- Navalur Taluk
- Mysore
- Bijapur Taluk

Environmental Clearance of Exploration Cambay Basin (Gujarat)

Environmental clearance of Haldia- Barauni Pipeline at Jasidih (Jharkhand)

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 2<sup>nd</sup> Environmental Clearance Compliance Report Cambay Basin (Gujarat)  
 Environmental Clearance of Exploration Karnataka (Bangalore)  
 Gulbarga Taluk  
 Navalur Taluk  
 Mysore  
 Bijapur Taluk  
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 Environmental Clearance for Bottling Plant, Sekmai, Manipur  
 Environmental Clearance of Exploration Rajasthan  
 Compliance report of environmental conditions - expansion of Panipat Refinery  
 Compliance report of environmental conditions - DHDS  
 Compliance report of environmental conditions - Panipat Refinery  
 Second stage Forest clearance for Chhattisgarh state in PRRPL project  
 Environment Clearance for handling of Additional Crude Oil (25 MMTPA TO 50 MMTPA) at Vadinar, Gujarat  
 Six Month Compliance Report on Environment & Forest  
 Environment/Forest/CRZ Clearances for Pipeline Projects  
 Half yearly Compliance Report of Bongaigaon Refinery, (BGR) for "Refinery Expansion", "Diesel Hydro Treatment Plant", "MS Maximisation Project", "MS Quality Improvement Project" & "Indmax Project"  
 Public Notice for e-tenders  
 2<sup>nd</sup> Environmental Clearance Compliance Report Cambay Basin (Gujarat)  
 Environmental Clearance of Exploration Karnataka (Bangalore)  
     Gulbarga Taluk  
     Navalur Taluk  
     Mysore  
     Bijapur Taluk  
 Environmental Clearance of Exploration Cambay Basin (Gujarat)  
 Environmental clearance of Haldia- Barauni Pipeline at Jasidih (Jharkhand)  
 Environmental Clearance letter for implementation of SBR Project at Panipat  
 Proceedings of Public Hearings at Mehsana  
 Proceedings of Public Hearings at Patna

Environmental Clearances – Bongaigaon Refinery

### Statutory Notices

[RTI](#)  
[Code of Conduct](#)  
[Corporate Governance](#)

Corporate Communication, Digboi  
Tuesday, November 20, 2012 8:23 AM  
Das, BC

Annexure - 1x

To:

CHOWDHARY, SABEENA; DUTTA, KISHORE

Subject:

FW: Paper Cuttings

Attachments:

Assam Tribune.pdf; Manipur Mail.pdf; Sangai Express.pdf; The Telegraph.pdf

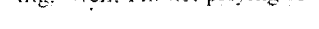
Dear Sir,

As per mail attached herewith the newspaper cuttings of the public notice  
submitted by you.

Thank & Regards,

For a Saikia





Development Society

Presents

2 November

Angom Leikai,  
Oop. Will Club

Miss Manipur 2012

For Information, Call:  
**09856115008**  
www.missmanipur.com

752105670-567

#: 9436026129

TSE/103208-5

... ব্রাহ্মৈরাকপম মেমতোশী  
কংলা শঙ্কোমশঙ ।

No. Pos.	Qualification	Salary
1. Asst. Manager (5)	Graduate and above	Basic 5000- T A - Bonus
2. Deputy Representative (15)	10+2 and above	Basic 3000- T A - Bonus
3. Representative (10)	8+ and above	Basic 2000- T A - Bonus

Working hours are variable between 10a.m. to 5p.m.

Contact : Mr. Sana, 1<sup>st</sup> Floor,  
M.M. Workshop Building, Opp. SBI Main Branch,  
M.G. Avenue, Imphal, #: 9862681850

# : 9862221536.

TSE/103668-5 9402881153

TIME : 3pm. - 5 p.m.

Sd/- Maibam Noren  
03103-5 Secy., BBC

TSE/103103-5

Kohung Mamang, Near Thangal General Statue.

India Greatest EPIC, Mahabharat মহাভারতময় অগ্রাধা M/F  
Artist পামজো : চহি 7 to 12, 7 to 15 অমদু: 15 to 50 নি। চহলিবা  
Sept. জাদনী নদা হৌরগনি। হাদা বদ্রবা Artist শিখনা ২৩-৩ ১২ বা  
লাবশিদনা Script: পূজাপী দৌরম রাওবিন্দবু হায়জরি।

Sd/- Producer  
# 8704960976



নোর্থ ইন্ড ইন্সটিটিউশনে দেহ ওফিস এল পি জি  
বোস্তলিং প্রায়, সেকমাই, মণিশুর

अन्य नोटिस

দ্বিতম : এম/এস ইপিএন এইচ কোম্পোজেশন  
 সিমিওড (আই ও সি এম) না ৩৭, অফিস  
 সেকেন্ডি, লক্ষ্যসং কলকাতা, ইন্ডাস্ট্রিয়াল এন্ড  
 মেনিফেস্টর এম সি সি কোম্পোজিট প্রাইভেট লিমিটেড  
 কোম্পোজিট মেনিফেস্টর।  
 - কলকাতা-৩০০০০১

বিষয়সমূহ : প্রাথমিক পত্রের নম্বর এন ২ আই  
এন ৩/এল সি জি/০১/জি/১২-বেকমটি  
তারিখ : ফেব্রুয়ারী ২৭, ২০১২

এ/এস ইকিমন ওয়েল থেবাথারবোন জিরিটেল  
(সাইট এ সি এল) আ ৩০, অসার (সেমটর), বঙ্গবাস  
কুলা, ইয়ামাল রেড্ড, মিসিগনসি বেলিভার এক জি  
কি বোজিগিল প্রস্তুতি বোজিগিল থেবাথারি  
নেবেথারবোন থেবাথারল অসার মিসিগি এক  
এসআই ইকিমন এক বোজিগিল প্রস্তুতি বোজিগিল  
মস্তুলা এক বোজিগিল প্রস্তুতি বোজিগিল এক জি  
একর ৩০, ৩০ মি. ডিগি ১০ মি. মস্তুলা  
মস্তুলাইকিমন প্রস্তুতি/মস্তুলাইকিমন প্রস্তুতি  
মস্তুলা (সোমালার এক জি, বঙ্গবাস এক জি  
হাওগেটী অসার এক জি, বোজিগিল অসার এক জি  
মস্তুলাইকিমন প্রস্তুতি/মস্তুলাইকিমন প্রস্তুতি ১০  
মি. মস্তুলাইকিমন প্রস্তুতি এক জি প্রস্তুতি  
মস্তুলাইকিমন প্রস্তুতি/মস্তুলাইকিমন প্রস্তুতি

নেরিএল নম্বর : ০১; হাঙ্গদণী পৈরিবা  
 স্টোরজ : এম সি ৪x১৫০ (গ্রাউন্ড ব্লুয়েটসী  
 মফতলা); অহেনবা স্টোরজ : ২x৬০০  
 (হাউগেন্ড ব্লুয়েট)

নিজি সেতা মতীক চাবা ত্বেত হইত শীতনি। সিন্ধি  
সেতা একজোতা হোয়ে অসুখ দুখ অধিক। সিন্ধি  
জওনা ওয়েথ একজোতা বিস্তত মনসি। সিন্ধি  
দরগা চাওরা অনু মোহদা ৩ম। ওইবা অনু  
মোহদা ১০. ৫ এম। ওইগনি। ইনুগিগি ওইবা  
মুচুম-মগাং বাগোদাশা লৈবোই। লোমেন্তিক ওইবা  
মুচুম-মগাং বাগোদাশা লৈবো মোহদা ১. ৫ এম।  
ওইগনি অনুগা মনি সোক্ত তেহকী খুলাগা  
বাগোদাশনি অনুগা সোক্ত চেলামগনি।  
থেনিগিগি ওইবা মুচুম-মগাং অকতা বাগোদাশ  
অনুগা "দিবো" দিমাফাং হেনগনি। শীফিফা  
মোহদা ১০. ৫ এম। ওইগনি।  
প্রোমসবংশিগা মোহগনি।

প্রোফেসর অসি মিস্ত্রি ওর এনডাইনমেন্টে এন  
কোর্সে, গভর্নমেন্ট ওয় ইন্ডিয়ানা  
এনডাইনমেন্টে ক্রিপারস শিরে অংগ  
ক্রিপারস কোর্সের কোর্সের এম সি সি  
কোর্সে, কোর্সের এম সি সি  
এনডাইনমেন্টে এন কোর্সের এম সি সি  
কোর্সের এম সি সি



## Thailand beckons



Greater Imprial area with a consecutive term.

# Pangolin scale haul in Aizawl

OUR CORRESPONDENT

Silchar, Sept. 4: The central customs and excise sleuths in Mizoram have seized 63kg of pangolin scales, worth Rs 1.2 crore, from Bawgkawn in north Aizawl.

Sources in Mizoram central customs last night said the scales were yesterday seized from the residence of K. Langli, who has been handed over to Aizawl police.

They said the scales were smuggled from south India and would have been smuggled from Mizoram's western district of Champhai across the 44km Indo-Myanmar border to south Asian countries like China, Taiwan, Hong Kong and South Korea, as they are in high demand for their medicinal values.

The scales are used to prepare traditional medicines and are in high demand in Chinese, Indian and other countries here and in Aizawl.

The scales of this insectivorous mammal are also used to make jewelry in south Asian countries, they added.

The sources said this tropical, scaly-skinned mammal, mostly found in South America and Asia, is poached in



A pangolin

south India.

Pangolins are also regularly hunted in south India though their hunting and killing is banned in India under the Wildlife Protection Act, 1972, they added.

This is the second such haul of pangolin scales in Cachar district and adjoining Mizoram in the past two years.

On October 21 last year the central customs department intercepted an Aizawl-bound passenger bus and confiscated 144kg of pangolin scales worth Rs 1.9 crore from two Myanmarese Mizos.

The two Myanmarese nationals Lalengliana, 46, and M. Chaona, 39, were taken into custody.

**IndianOil**  
IndianOil

North East Integrated State Office  
LPG Bottling Plant, Sekmai, Manipur

**PUBLIC NOTICE**

**Subject:** Augmentation of LPG storage capacity at LPG Bottling Plant at 30, Awang Sekmai, Lamsang, Kujang, Imphal West, Manipur by M/s. Indian Oil Corporation Limited (IOCL) – Environmental Clearance reg.

**Ref.: Our letter no. NEISO/LPG/01/G12-SEKMAI Dated 27<sup>th</sup> February, 2012.**

The Ministry of Environment & Forests after due examination has approved the proposal and accorded environmental clearance for augmentation of LPG storage capacity at LPG Bottling Plant at 30, Awang Sekmai, Lamsang, Kujang, Imphal West, Manipur by M/s. Indian Oil Corporation Limited (IOCL). The total plot area is 62.30 acres. No wildlife sanctuary / national park is located within 10 Km. Longol RF, Krumanthu RF, Haraorou RF, Heingang RF and Kanglatongbi Kangpokpi RF are located within 10 KM. Details of LPG storage capacity are as given below.

**Sl. No. 01 Existing Storage:** 4X150 MT (Above Ground Bullets); **Additional Storage:** 2X600 (Mounted Bullets).

Minimum stack height will be provided as per IS 8000 and vapour extraction system, burning hoods and ducts provided in the filling shed. Water requirement will be increased from 10 m<sup>3</sup>/day to 10.5 m<sup>3</sup>/day. No effluent effluent will be generated. Effluent generation will be minimised and disposed off through soak pits followed by soak pit. No effluent will be discharged outside the premises and "Zero" discharge concept will be adopted. Spent oil will be sold to authorised recyclers/processors. The project has been accorded environmental clearance by the Ministry of Environment & Forests, Govt. of India and copies of the clearance letter are available with the MPCR and may also be seen at website of the Ministry of Environment & Forests at <http://envfor.nic.in>

## Audit reveal

and erstwhile enlisted contractor departments meeting eligibility criteria for issue of tender of under mentioned

Name of works	(a) SPECIAL I AT 825 SU AF (b) SPECIAL I & P-38 AT TEZPUR
Estimated cost of work	(a) Rs. 28.00 l
Completion period	06 (Six) month
Amount of EMD for contractors not enlisted with MES	(a) Rs. 1.00.0
Cost of Tender	Rs. 500/- in Cheque from of GE Misam Misamari and payable at Te

Last date of receipt of application

**Eligibility Criteria:-**  
(a) For MES enlisted contractor  
(b) For other

(a) Class 'D' category (a) (Meeting enlisted regard to have requisite value working capital outstanding clearance etc On or after 11

Date of issue of Tender  
Date of receipt of Tender

05 Oct 2012

### Notes :-

1. The Contractor enlisted in on "Criteria" given above may also consider such applications in the from eligible class contractors.
2. Application not accompanied DD/Banker's Cheque towards considered for issue of tender.
3. Contractors not enlisted with MES necessary documents to prove including Affidavit for no recovery.
4. In case of rejection of application shall be refunded the cost of ten appeal to next higher Engineer Shillong Zone-11 for rejection of tender whose decision shall be final shall not be entitled to any compensation of tender.
5. The above details are also [www.mes.gov.in](http://www.mes.gov.in) and Indian Tender IAFW-2162 & Enlistment of MES and also on MES website

"Poknapham" (Manipur)  
Dt. 05/09/2012.

05/09/12

Imprial, Wednesday, the 5th September, 2012, Page 3

মণিপুরী

# থাজবা পুরকুবগী খোঙথাং কয়াগা আসামদা শান্তি হঞ্জিলহন্নবা হে

গুৱাহাতি, সেপ্তেম্বৰ ০৪ (পি তি আই): লৰৰ আসামদা টাৰাং নেমথৰকপগা ইয়োয়ননা কাঙলুপকী ইয়াংদা হাইদনী ফীৰম শোকখিবা কোৱাকৰ অমসুং চিৰাং দিক্ৰিকাংলা এদমিনিস্ত্ৰেনশিংনা শান্তি হঞ্জিলহন্নবগীদমক থাজবা পুরকুবগী খোঙথাং কয়া য়াথোকপা হেত্ৰে হায়রি।

কনাকিদ্দেং বিলিঙ মেজাৰ (সি বি এম) শিংগী মখাদা ৰয়লিৰা খোঙথাংশিংসি তোঙান তোঙানবা কাঙলুপকী হীচুংশিং শৰুক য়াৰা কশ্মিসিংগী ওইবা শান্তিগী মীৰম পাঙথোকপা, বিলিঙজিহাদা বুমদা হুনবীনবা আপীল তৌবা অমদি ৰাজনীতি দল অমসুং

ওৰ্ণনাইজেনশিংনা বন্দ ৰেলি অমদি ৰেল অমসুং ৰোদ ৰোকেদ তৌবীদনবা আপীল তৌবা অমিনিস্ত্ৰেংবা হাওরি।

সৰকাৰগী মকোক পোংবশিং অমসুং ৰাজনীতিগী লিদৰশিংনা পাতিগী ওইবা ৰাফম থাদেক্কাগা শান্তি হঞ্জিলহন্নবা প্ৰজাদা আপীল তৌরি হায়না কোৱাকৰ দিপুতি কশ্মিসমৰ জয়ন্ত নৱলিকাবনা পি তি আইদা জোঙদোকখি।

ৰাজ্য অসিগী লোকেল পাউ চেংগী মখীং লৈববা এদিতৰশিংনা শাবা মেম্বৰ ১৬ কী তিম অমনা কোৱাকৰ অমসুং গোজাইগাওদা বিলিক কেম্পশিংগী ফীৰম ৰেংশিনখি। সৰকাৰ অমসুং

বোডোলেদ তৌৱতৌৱিএল দিক্ৰিক এদমিনিস্ত্ৰেনশনা লেদ ৰেকোদ পায়বা তশেং তশেংবা ইন্দিয়া মচাশিংদি মফম চানা হঞ্জিলহন্নগদি হায়না নৱলিকাবনা হায়খি।

বোডোলেদ কাউন্সিলকী মেম্বৰশিংনা কেম্পশিংদা লাৰখিবদগী অৱা-নুংঙাইতবা কয়া অঙকপা ফংনা কোকহনখি হায়না চিৰাং দিপুতি কশ্মিসমৰ পুৰ গুণ্ডনসু যোঙদোকখি।

তপ-তপা শান্তি হঞ্জিলকপগা ইয়োয়ননা অহিংদা কৰফিউ থাশিবা অসিসু নৌথোকগনি। দিক্ৰিক অসিদা কৰফিউ চনহিৰকিবা অসি পং ৪৩৭ শুৱে অদুগা হৌজিঙি তুং কোয়না চংকদবা শান্তি

## ইসলামাবাদ অমসুং ৱাৱলপিন্দিদা তালিবানা এওক চথৰক্কা হায়না অ

ইসলামাবাদ, সেপ্তেম্বৰ ০৪ (পি তি আই): মুম্বাই তেৱেৱিষ্ট এওক কেসভা চেম্বা লম্বৰ-এ-তেইবাগী মেম্বৰশিং থাশিবা জেল য়াওনা ইসলামাবাদ অমসুং ৱাৱলপিন্দিদা লৈবা মফম কয়াদা তালিবান জিহাদি গ্ৰুপ অমনা এওক তৌনবা থোৱাং তৌবি হায়না পাকিস্তানি ইন্তেৰিৱৰ মিনিস্ত্ৰনা ওপোৱিতিশিংদা ৰাৱি হেত্ৰে।

ইন্তেৰিয়ৰ মিনিস্ত্ৰগী নেসনেল লাইসিস মেনেজমেণ্ট সেল (এন সি এম সি) না লোৱা সাক্ষীলৈত তৌখিবা ৱিপৰ্ত অমদা আত্যা থিংথৰা তেহৰিক-এ-তালিবান

পাকিস্তান (পাকিস্তানি তালিবান) গী মেম্বৰ ১৬ না মথংগী চয়েল অনীসিদা এওক তৌনবগী থোৱাং য়াথোকখিবা কয়া ৱাল্লা ময়েক শেংনা পনখি হায়না দি এম্প্ৰেস ত্ৰিৱায়া মশাগী লিখুন কোত তৌৱদুনা যোঙদোকখি।

ৱিপৰ্ত অমু প্ৰেভিন্সিএল হোম দিপাৰ্টমেণ্ট, প্ৰোভিন্সিএল অমসুং ফেবৱেল পুলিস দিপাৰ্টমেণ্টশিং অমসুং ইসলামাবাদকী কশ্মিসমৰদা থাশি। মসিদা ৱাৱলপিন্দিদা অদিয়াক জেল অসি তেৱেৱিষ্টশিং অসিগী হাইদনী মফ ওইবা তাৰগেতনি, মথোয়না জেল অসিদা

এওক তৌদুনা মশাগী খোঙবুশিং থাদোকপা পাশ্চি হায়না ৱিপৰ্ত অদুদা পনখি হায়খি।

ইং ২০০৮ গী মুম্বাই এভেজ মাণ্ডৰমাইন্দ ওইখিবা লম্বৰগী ওপৱেসনেল কশ্মাদৰ জাকিউৱ ৱেহমান লখতি অমসুং কেস অসিদা চেম্বা অতোলা হীওট ৬ অদিয়াক জেলনা লৈরি।

লখতি অসি জেল মনুংদা লৈববসু মোবাইল ফোন পায়হিদি অদুগা মহাকসি লম্বৰগী অতোলা ওপৱেতিবশিংগা পাউ কাওনৰি অমসুং গ্ৰুপকী ওপৱেসনশিংদা মাৰকৈ তাকপা গুণি হায়না নোংচুগ



মোৰ ইং ইণ্ডিয়ানেল হেত ওচিস এম পি তি  
কোৱাৰি ৱাথ, সেকমাই, মণিপুর

পত্ৰিক নেভিস

বিদ্যুৎ এম এম ইণ্ডিয়ানেল ইলেক্ট্ৰিকেল  
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Dt. 05/09/2012

## Essay comp result

IMPHAL, Sep 4: Pham...

...at Hana English...



North East Integrated State Office  
LPG Bottling Plant, Sekmai, Manipur

### PUBLIC NOTICE

Subject: Augmentation of LPG storage capacity at LPG Bottling Plant at 30, Kwang Sekmai, Lamsang, Imphal West, Manipur by M/s. Indian Oil Corporation Limited (IOCL). Environmental Clearance Reg.

Ref.: Our letter no. NEISO/LPG/01/G12-SEKMAI Dated 27<sup>th</sup> February, 2012.

The Ministry of Environment & Forests after due examination has approved the proposal and awarded environmental clearance for augmentation of LPG storage capacity at LPG Bottling Plant at 30, Kwang Sekmai, Lamsang, Imphal West, Manipur by M/s. Indian Oil Corporation Limited (IOCL). The total area is 62.30 acres. No wide secondary national park is located within 10 Km. Longol R, Khumathu R, Haraorou R, Hengang R and Kangialongbi Kangpokpi R are located within 10 Km. Details of LPG storage capacity are as given below:

St. No. 0 Existing Storage: 4X150 MT (Above Ground Bullets); Additional Storage: 2X500 (Mounded Bullets).

Adequate stack height will be provided to DG set. Exhaust blower and vapour extraction system comprising hoods and ducts provided in the filling shed. Water requirement will be increased from 10 m<sup>3</sup>/day to 10.5 m<sup>3</sup>/day. No industrial effluent will be generated. Domestic effluent generation will be 5.5 m<sup>3</sup>/day and disposed off through septic tanks followed by soak pit. No effluent will be discharged outside the premises and 'Zero' discharge concept will be adopted. Spent oil will be sold to authorized vendors/re-processors.

Copy of the proposal has been approved and environmental clearance by the Ministry of Environment & Forests, Govt. of India and copies of the clearance letter are available with the MIOB and may also be seen at the office of the Ministry of Environment & Forests at <http://envfor.nic.in>.

ATREX WAVES EDUCATION

SEKAI NATIONAL UNIVERSITY OF  
...for admission begin from  
...2012 students are in-  
...to enrol class

TSE 101405-15

## CAU trainee

By Our Staff Reporter

Complaint Hearing program was held organised September 1 at Mo, Pangaltiabi L.P. School, Manipuri Muslims Council Moreh under the aegis, Manipur State Minorities Commission.

Agriculture Minister Abdul Nasir, Wabagai MLA Md Fajur Rahim, Education (S) Deputy Secretary, MA Salam, Commission Chairperson IAS (Retd) Halim Chowdhury, Commission secretary Dr. Rahejuddin Sheikh, Manipur Council President, Muslim Council President, Tar Sangam President, Hill Tril Council Members, public leaders, students and womenfolk attended the event.

The complaint hearing was related to various Beneficiary Oriented Schemes.

## 'White paper on checking illegal migration to be released' CID investigating fake financial institutions in Assam : Gogoi

GUWAHATI, Sep 4: CID is investigating operations of fake financial institutions in Assam and a list of companies operating without licenses would be released soon, Assam Chief Minister Tarun Gogoi today said. "There are lot of non-banking financial companies (NBFCs) in the state and some of them are dubious. Such fake companies have cheated huge amounts from the people," Gogoi told reporters here. "We also ask the common people in the state to exercise caution before investing their hard-earned money," he said. The state government has on September 2 directed Principal Secretary (Finance) H S Das to conduct a probe against fake financial institutions in Assam. RBI had last week cautioned people in the north eastern states not to deposit money in any company without proper verification. PTI

## UG arrested

IMPHAL, Sep 4: Imphal West district police commandos arrested one active member of KCP cadre identified as Hijam Premkumar alias Mangalngamba alias PK (35) s/o H Chinglen Singh of Phumlou Siphai Maning Leikai, presently staying at Meitei Langol near ISKON, Games Village, from RIMS campus yesterday around 11.30am, said a statement issued by the SP of Imphal West.

### OFFICE OF THE UREREI JOB GUIDELINE SERVICE Regd no-M.E-14/006/21/00678, Micro (Govt of Manipur) Kheirampur Junction, Near C.C.P. Parking, Imphal

JOB TITLE	Salary	QUA	NO OF POST
<b>Aviation Job at Mumbai, Bangalore &amp; Delhi International Airport.</b>			
i) First Officer /Operations Assistant	20000-above	XII	25
ii) Flight Attendant	15000-25000	-do-	30
iii) Cabin appearance officer	12000-25000	XII	06
iv) Cargo Assistant	10000-15000	X/XII	12
v) Sr. Ground Staff	12000-20000	XII	20
vi) Air Loader / Cargo Staff	10000-above	VIII	32

#### Job Guideline cum Information for Government Job posting in India :-

#### 1. Recruitment in Assam Rifles under the Directorate General Assam Rifles Shillong.

i) Electrician	ii) Nursing Assistant	iii) Operation room Assistant
iv) Line Man	v) Vehicle Mechanic	vi) Junior Commission officer

Qua :- X or ITI Pass Age:- 18 to 23 years (Relaxable by 3 years to OBC & 5 Years to SC/ST). Salary and other allowance will be admissible to Assam Rifles personnel.

#### 2. Railway Recruitment against Firstwhile Group "D" Post for North Central Railway

i) Khalasi	ii) Trackman	iii) Helper/Workshop	iv) Box Porter
v) Peon	vi) Safaiwala	vii) Hospital Attendant	Qua :- X or ITI Pass

#### International Merchant Navy Job in Shipping Industry :-

2. Musician / Pre-Sue Boys	-do-	-do-	107
3. GLP Rating (Pre Sea Training)	45000-60000	X Post med	120
4. DNS Cadet - Deck Cadet	50000-100000	XII	50

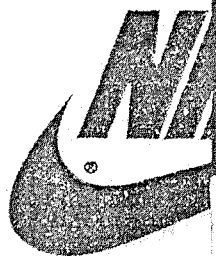
#### State Job Urgent Vacancy in Limited periods:-

1. Field Staff	12000-31000	VIII X	100
2. Staff Field Adviser	9000-13000	-do-	20
3. Guideline Management Officer	12000-15000	XII	08
4. Staff Field Agent	5000-10000	VIII	20
5. Reception - Attendant	6000-12000	X/XII	06
6. Security / Home Making Helper	3400-6500	VIII	32

Date of Interview :- 14/09/2012

Last date Submission :- 12/09/2012

Help line No :- 8732340681, 8732840694 & 8794218375



NIKE

(End of)  
upto 50%

at NIKE - PF

Thangal & Pa

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Rat-23 to 22

English

A Report On  
**AMBIENT AIR QUALITY, DG SET EMISSION,  
NOISE LEVEL, FUGITIVE EMISSION & WORK-ZONE VOC & HC**

at

**INDIAN OIL CORPORATION LTD.**  
LPG Bottling Plant  
Awang, Sekmai  
Imphal West  
Manipur

(September-2013)

*Submitted By*



**enviROCON**

(ISO 9001 & ISO 18001 Certified)

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Digboi – 786171  
Assam

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Mob: 9435008657/8876028672

Email: [envirocon@rediffmail.com](mailto:envirocon@rediffmail.com)

Website: [www.envirocon.net.in](http://www.envirocon.net.in)



AMBIENT AIR QUALITY TEST RESULTS

M/s Indian Oil Corporation Limited  
L.P.G. Bottling Plant  
Awang, Sekmai  
Imphal West, Manipur


Sl. No.	Date	Sampling Point	PM 10 ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\text{mg}/\text{m}^3$ )	VOC (ppm)	HC (ppm)
---	---	Limits →	100	80	80	4.0	---	---
1	26.09.2013	Near Security Gate No.3	43	ND	10	ND	ND	ND
2	26.09.2013	Near Security Barrack	36	ND	08	ND	ND	ND
3	27.09.2013	Transit Camp	39	ND	ND	ND	ND	ND
4	27.09.2013	Fire Water Tank Area	34	ND	ND	ND	ND	ND
5	28.09.2013	Truck Parking Area	52	ND	14	ND	ND	ND

ND: Not Detected

Analysis Protocol: IS 5182

Sampled & Analysed by: ENVIROCON, Digboi

Checked By:

  
Bivash Mahanta

NOTE: 1. Results reported are valid at the time of and under the prevailing conditions of measurement  
2. Results refer only to the particular parameters tested.



D.G.SET EMISSION TEST RESULTS

M/s Indian Oil Corporation Limited  
L.P.G. Bottling Plant  
Awang, Sekmai  
Imphal West, Manipur

01	Stack Emission Ref. No.	IOCL/SEK/DG/01/2013
02	Date of Sampling	27.09.2013
03	Material Of Construction	M.S.
04	Stack Attached To	D. G. Set No. 1 (215 KVA)
05	Flue Gas Temperature (°C)	240
06	Type of Fuel	H.S.D.
07	Analysis Result of Flue Gas	
	1. SO <sub>2</sub> (ppm)	08
	2. NO <sub>x</sub> (ppm)	214
	3. CO (ppm)	125
	4. CO <sub>2</sub> %	3.9
	5. O <sub>2</sub> %	14.4
	6. HC (ppm)	35

Checked by:

Pankaj Baroi

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2. Results refer only to the particular parameters tested.  
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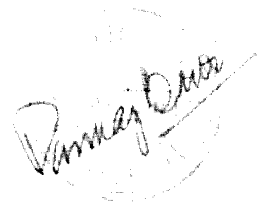


D.G.SET EMISSION TEST RESULTS

M/s Indian Oil Corporation Limited  
L.P.G. Bottling Plant  
Awang, Sekmai  
Imphal West, Manipur

01	Stack Emission Ref. No.	IOCL/SEK/DG/02/2013
02	Date of Sampling	27.09.2013
03	Material Of Construction	M.S.
04	Stack Attached To	D. G. Set No. 2 (250 KVA)
05	Flue Gas Temperature (°C)	256
06	Type of Fuel	H.S.D.
07	Analysis Result of Flue Gas	
	1. SO <sub>2</sub> (ppm)	16
	2. NO <sub>x</sub> (ppm)	272
	3. CO (ppm)	193
	4. CO <sub>2</sub> %	5.1
	5. O <sub>2</sub> %	13.8
	6. HC (ppm)	66

Checked by:



Pankaj Baroi

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3. This test report shall not be used for any other purpose without the written consent of the issuing authority.

D.G.SET EMISSION TEST RESULTS

M/s Indian Oil Corporation Limited  
L.P.G. Bottling Plant  
Awang, Sekmai  
Imphal West, Manipur

01	Stack Emission Ref. No.	IOCL/SEK/DG/03/2013
02	Date of Sampling	28.09.2013
03	Material Of Construction	M.S.
04	Stack Attached To	D. G. Set No. 3 (250 KVA)
05	Flue Gas Temperature (°C)	267
06	Type of Fuel	H.S.D.
07	Analysis Result of Flue Gas	
	1. SO <sub>2</sub> (ppm)	14
	2. NO <sub>x</sub> (ppm)	188
	3. CO (ppm)	164
	4. CO <sub>2</sub> %	3.6
	5. O <sub>2</sub> %	13.9
	6. HC (ppm)	52

Checked by:

Pankaj Baroi

**NOTE:** 1. Results reported are valid at the time of and under the prevailing conditions of measurement.

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**NOISE LEVEL MEASUREMENT RESULTS**

M/s Indian Oil Corporation Limited  
L.P.G. Bottling Plant  
Awang, Sekmai  
Imphal West, Manipur

Date of Measurement: 25.09.2013

Sl. No.	Location	Maximum (dB-A)	Minimum (dB-A)	Leq (dB-A)
01	LPG Pump Area	81	78	79
02	T.L.D.	80	69	74
03	LPG Cylinder Loading Point	82	70	76
04	Sealing Machine	87	69	81
05	O Ring Check Machine	83	76	78
06	Valve Checking Machine	85	78	82
07	LPG Filling Machine	82	79	80
08	Encoding Station	85	80	82
09	Drying Unit	86	69	83
10	Cylinder Unloading Point	74	68	71
11	Evaluation Unit	72	68	70
12	Valve Changing Machine	69	62	66
13	I.C.U.	76	71	74
14	D.G. Room	90	86	88
15	P.C.C	78	63	75
16	Security Barrack	62	58	60
17	Transit Camp	54	46	51
18	Control Room	68	60	65
19	D.G. Control Room	85	80	82
20	Fire Water pump/ Compressor House	79	70	75

Checked By:

Pankaj Baroi

**NOTE:** 1. Results reported are valid at the time of and under the prevailing conditions of measurement.  
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FUGITIVE EMISSION TEST RESULTS

M/s Indian Oil Corporation Limited  
L.P.G. Bottling Plant  
Awang, Sekmai  
Imphal West, Manipur

Unit: T.L.D

Date: 25.09.2013

Sl. No.	DESCRIPTION	ITEM ID	READING	
			LEL (%)	Gas (ppm)
1	Bay No. 1			
	➤ LPG Liquid Line	Flange	0	000
		Flange	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ LPG Vapour Inlet Line	Flange	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ LPG Vapour Outlet Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
2	Bay No. 2			
	➤ LPG Liquid Line	Flange	0	000
		Flange	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ LPG Vapour Inlet Line	Flange	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ LPG Vapour Outlet Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000

NOTE: 1% LEL = 500 ppm

Checked By:

Bivash Mahanta

NOTE: 1 Results reported are valid at the time of and under the prevailing conditions of measurement.  
2 Results refer only to the particular parameters tested.



## FUGITIVE EMISSION TEST RESULTS (contd.)

Sl. No.	DESCRIPTION	ITEM ID	READING	
			LEL (%)	Gas (ppm)
3	Bay No. 3			
	➤ LPG Liquid Line	Flange	0	000
		Flange	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ LPG Vapour Inlet Line	Flange	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ LPG Vapour Outlet Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000

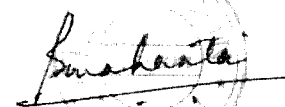
Unit: LPG Pump House

Date: 25.09.2013

Sl. No.	DESCRIPTION	ITEM ID	READING	
			LEL (%)	Gas (ppm)
1	LPG Pump No. PC- 1r			
	➤ LPG Liquid Suction Line	Flange	0	000
		Flange	0	000
		Flange	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ LPG Liquid Discharge Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000

NOTE: 1% LEL = 500 ppm

Checked By:

  
Bivash Mahanta

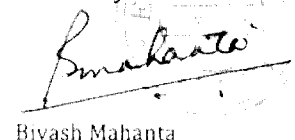


## FUGITIVE EMISSION TEST RESULTS (contd.)

Sl. No.	DESCRIPTION	ITEM ID	READING	
			LEL (%)	Gas (ppm)
2	Compressor, CA- 1a			
	➤ Vapour Suction Line	Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ Bypass Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
	➤ Vapour Discharge Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
3	Compressor, CA- 1b			
	➤ Vapour Suction Line	Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ Bypass Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ Vapour Discharge Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000

NOTE: 1% LEL = 500 ppm

Checked By:



Bivash Mahanta

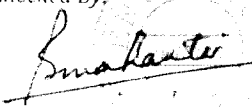
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2. Results refer only to the particular parameters tested.



FUGITIVE EMISSION TEST RESULTS (contd.)

Sl. No.	DESCRIPTION	ITEM ID	READING	
			LEL (%)	Gas (ppm)
4	Compressor, CA- 1c			
	➤ Vapour Suction Line	Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ Bypass Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ Vapour Discharge Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
5	ROV 7	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
6	ROV 8	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
7	ROV 9	Flange	0	000
		Valve Gland	0	000
		Flange	0	000

NOTE: 1% LEL = 500 ppm

Checked By:   
Bivash Mahanta

NOTE: 1 Results reported are valid at the time of and under the prevailing conditions of measurement  
2 Results refer only to the particular parameters tested  
3 This test report shall not be used for any other purpose



## FUGITIVE EMISSION TEST RESULTS (contd.)

Unit: LPG Bullet

Date: 26.09.2013

Sl. No.	DESCRIPTION	ITEM ID	READING	
			LEL (%)	Gas (ppm)
1	Vessel No. 1			
	➤ ROV No. 10, LPG Vapour Line	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ ROV No. 1, LPG Inlet/Outlet	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ LPG Inlet/Outlet	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ LPG Inlet	Flange	0	000
		Flange	0	000
	➤ LPG Inlet Bypass Line	Flange	0	000
		Flange	0	000
		Flange	0	000
		Flange	0	000
		Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ Vapour Line Inlet	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ Vapour Line Outlet	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ Vapour Line Tank Inlet	Flange	0	000
		Valve Gland	0	000
		Flange	0	000
	➤ Vapour Line Tank Outlet	Flange	0	000
		Valve Gland	0	000
		Flange	0	000

NOTE: 1% LEL = 500 ppm

Checked By:

Bivash Mahanta

- NOTE:
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
  2. Results refer only to the particular parameters tested.

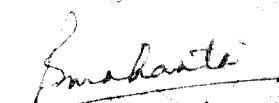
WORK-ZONE VOC & HC TEST RESULTS

M/s Indian Oil Corporation Limited  
L.P.G. Bottling Plant  
Awang, Sekmai  
Imphal West, Manipur

Date: 28.09.2013

Sl. No.	LOCATION	READING	
		VOC (ppm)	HC (ppm)
01	Near LPG Cylinder Loading Point	0	000
02	Near LPG Filling Machine	0	000
03	Near Sealing Machine	0	000
04	Near O-Ring Check Machine	0	000
05	Near Valve Check Machine	0	000
06	Near Encoding Station	0	000
07	Near Drying Unit	0	000
08	Near Cylinder Unloading Point	0	000
09	Near Valve Changing Machine	0	000
10	Near Evaluation Unit	0	000
11	I.C.U.	0	000
12	P.C.C.	0	000
13	LPG Pump House		
	➤ Near LPG Pump No. PC-1r	0	000
	➤ Near Compressor CA- 1a	0	000
	➤ Near Compressor CA- 1b	0	000
	➤ Near Compressor CA- 1c	0	000
14	T.L.D.		
	➤ Near Bay No. 1	0	000
	➤ Near Bay No. 2	0	000
	➤ Near Bay No. 3	0	000
15	Control Room	0	000
16	D.G. Control Room	0	000
17	Fire Water Pump/Compressor House	0	000

Checked By:

  
Bivash Mahanta

**NOTE:** 1. Results reported are valid at the time of and under the prevailing conditions of measurement.  
2. Results refer only to the particular parameters tested

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A patient being examined during a free eye camp organised by IOC under its CSR programme



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The Science Congress Chapter under the aegis of Manipur University, said a press release

## Free eye camp held

IMPHAL, Sep 13: Under its corporate social responsibility programme, Indian Oil Corporation (IOC) today organised a free eye check-up camp at Nongthomband of Sekmai AC.

Sekmai AC MLA Kh Devendra, IOC North East Integrated State office Executive Director Priobhash Dey and IOC Imphal officials were also present at the camp.

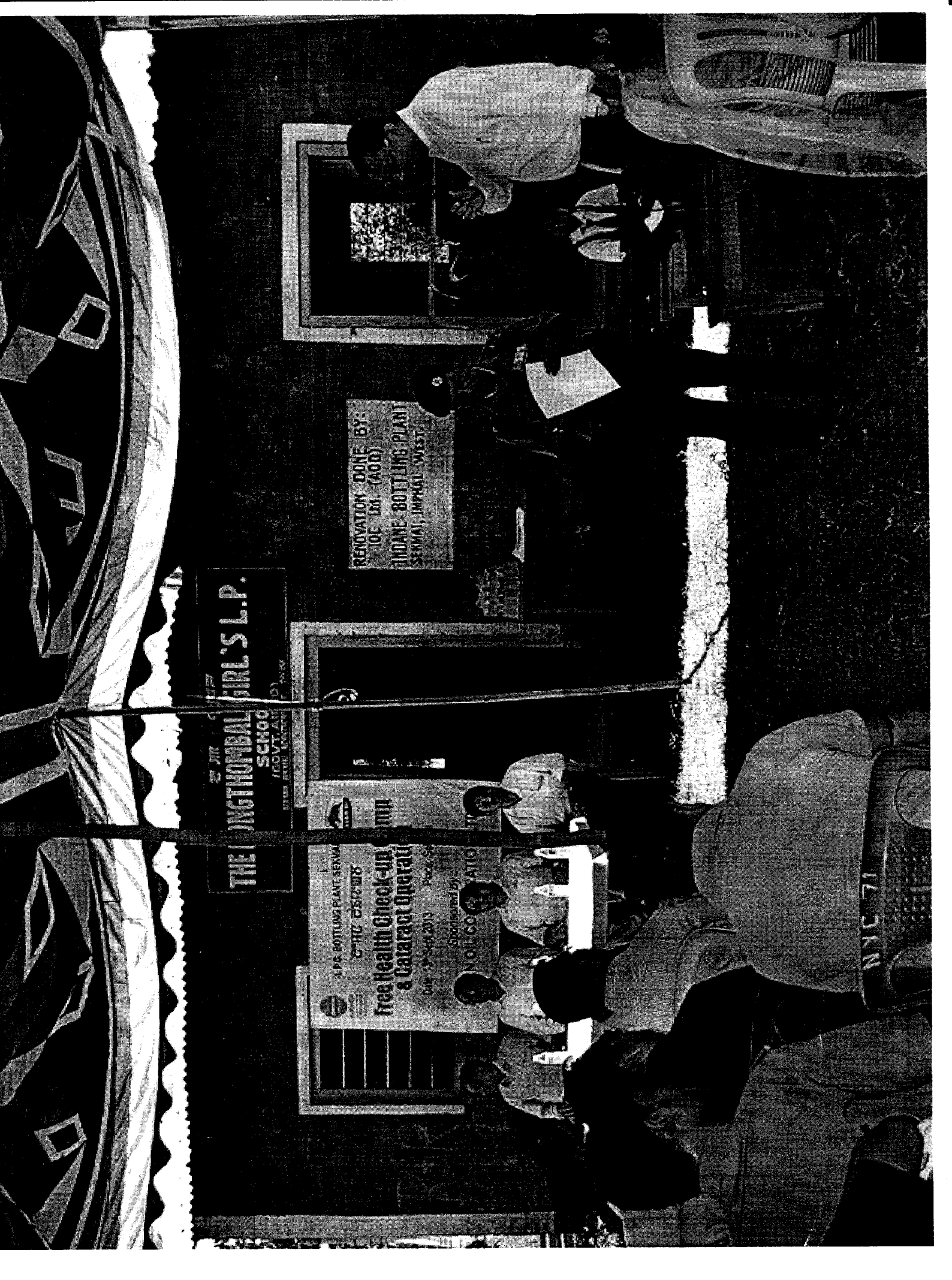
by, Presnaw Shinnay, SK Chourasia, DC of Ukhrul and other officials were included in the entourage of the Governor to the hilly district along the Manipur and Nagaland border.

The border village came alive with full force as the Governor and his team stepped their foot into the

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