



IndianOil

Barauni Refinery

Status as on 31.03.2022

**Subject: Status of Environmental Clearance Conditions for MS quality up-gradation and HSD quality up-gradation in Barauni Refinery**

**Ref: Ministry's clearance letter no J-11011/15/2015 - IA II (I) dated 06.03.2017.**

SN	Point	Status
A	Specific Conditions	
i.	M/s IOCL shall comply with standards/norms for Oil Refinery Industry notified under the Environment (Protection) Rules, 1986 vide G.S.R. 186(E) dated 18 <sup>th</sup> March, 2008.	<ul style="list-style-type: none"><li>• Please refer <b>Annexure-1</b> for detailed status for compliance of standards/norms for Oil Refinery Industry notified under the Environment (Protection) Rules, 1986 vide G.S.R. 186(E) dated 18<sup>th</sup> March, 2008.</li><li>• <b>Complied.</b></li></ul>
ii.	Continuous on-line stack monitoring for SO <sub>2</sub> , NO <sub>x</sub> and CO of all the stacks shall be carried out.	<ul style="list-style-type: none"><li>• Continuous on-line stack analyzers for monitoring of SO<sub>2</sub>, NO<sub>x</sub>, CO &amp; PM have been installed and connected to CPCB server for 24 nos. of stacks.</li><li>• <b>Complied.</b></li></ul>
iii.	The process emissions {SO <sub>2</sub> , NO <sub>x</sub> , HC (Methane & Non-methane)}, VOCs and Benzene from various units shall conform to the standards prescribed under the Environment (Protection) Act, 1986. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency of the pollution control device has been achieved.	<ul style="list-style-type: none"><li>• SO<sub>2</sub>, NO<sub>x</sub>, CO &amp; PM are monitored with online SO<sub>2</sub>, NO<sub>x</sub>, CO and PM analyzers.</li><li>• Process emissions from all units are monitored once in two months except SRU (which is monitored monthly) by MoEF&amp;CC approved external agency M/s Mantec Environmental Laboratories &amp; GO Green Mechanisms Pvt Ltd Reports enclosed.</li><li>• Total SO<sub>2</sub> emissions from existing units are less than the stipulated limit of 815 kg/hr.</li><li>• <b>Complied.</b></li></ul>

iv.	<p>Leak Detection and Repair programme shall be prepared and implemented to control HC/VOC emissions. Focus shall be given to prevent fugitive emissions for which preventive maintenance of pumps, valves, pipelines are required. Proper maintenance of mechanical seals of pumps and valves shall be given. A preventive maintenance schedule for each unit shall be prepared and adhered to. Fugitive emissions of HC from product storage tank yards etc. must be regularly monitored. Sensors for detecting HC leakage shall be provided at strategic locations.</p>	<ul style="list-style-type: none"> <li>• Leak detection and repair programme is already in place at Barauni Refinery and same is carried out on quarterly basis.</li> <li>• Preventive maintenance schedule for each unit is in place and same is strictly adhered to.</li> <li>• Monitoring of fugitive emission from tank farm area is included in Leak Detection and Repair Programme. Report enclosed.</li> <li>• Hydrocarbon detectors with alarm system are installed in strategic locations in the various process units, tank farm, and other plausible locations</li> <li>• <b>Complied.</b></li> </ul>
v.	<p>SO<sub>2</sub> emissions after expansion from the plant shall not exceed 815 kg/hr and further efforts shall be made for reduction of SO<sub>2</sub> load through use of low sulphur fuel. Sulphur recovery units shall be installed for control of H<sub>2</sub>S emissions. The overall sulphur recovery efficiency of Sulphur recovery unit with tail gas treating shall not be less than 99.9%.</p>	<ul style="list-style-type: none"> <li>• Total SO<sub>2</sub> emission from existing units at BR is less than the stipulated limit of 815 kg/hr.</li> <li>• SRU (Sulphur Recovery Unit) unit (without tail gas treating) consisting of 2 chains of capacity 40 MT/day of Sulphur production each is installed at Barauni Refinery.</li> <li>• As per norms for Oil Refinery Industry notified under the Environment (Protection) Rules, 1986 vide G.S.R. 186(E) dated 18<sup>th</sup> March, 2008, existing SRU installed in the refinery should have 98.7% sulphur recovery and Barauni Refinery complies this standard.</li> <li>• New SRU envisaged in upcoming project (capacity expansion) will be installed with overall sulphur recovery efficiency of min 99.9%.</li> <li>• <b>Complied.</b></li> </ul>
vi.	<p>As proposed, record of sulphur balance shall be maintained at the Refinery as part of the environmental data on regular basis. The basic component of sulphur balance include sulphur input through feed (sulphur content in crude oil), sulphur output from Refinery</p>	<ul style="list-style-type: none"> <li>• Sulphur balance record is being maintained as a part of Environmental data.</li> <li>• <b>Complied.</b></li> </ul>

	through products, byproduct (elemental sulphur), atmospheric emissions etc.	
vii.	Flare gas recovery system shall be installed.	<ul style="list-style-type: none"> <li>• Flare gas recovery system is installed and operational in the refinery.</li> <li>• <b>Complied.</b></li> </ul>
viii.	Ambient air quality monitoring stations, [PM10, PM2.5. SO2, NOx, H2S, mercaptan, non-methane-HC and Benzene] shall be set up in the complex in consultation with State Pollution Control Board, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be deiced based on modeling exercise to represent short term GLCs.	<ul style="list-style-type: none"> <li>• Eight manual (four in Refinery, one in township and three in periphery villages) air quality monitoring stations have been set up. Ambient air quality is checked twice in a week as per revised MoEF&amp;CC standards 2009. Report enclosed.</li> <li>• Three continuous online monitoring stations provided for ambient air quality monitoring covering 8 parameters viz PM 10, PM 2.5, SO2, NOx, CO, NH3, Benzene and Ozone. The stations are also directly connected online with servers at CPCB and Bihar State Pollution Control Board (BSPCB).</li> <li>• <b>Complied.</b></li> </ul>
ix.	The total water requirement from artesian wells after expansion of proposed project shall not exceed 651 m <sup>3</sup> /hr and prior permission shall be obtained from the competent authority.	<ul style="list-style-type: none"> <li>• Fresh water consumption for FY 2021-22 is 616 m<sup>3</sup>/hr which is within limit of 651 m<sup>3</sup>/hr.</li> <li>• Barauni Refinery received NOC from CGWA for 651 m<sup>3</sup>/hr ground water withdrawal on 19.06.2018 with validity till 04.06.2020.</li> <li>• Again, renewal of NOC received with validity till 04/06/2023.</li> <li>• <b>Complied.</b></li> </ul>
x.	As proposed, Industrial effluent generation shall not exceed 497 m <sup>3</sup> /hr after proposed expansion and treated in the integrated effluent treatment plant. The plant shall be based on Zero Liquid Discharge and as proposed RO to be installed within the plant. Treated effluent shall be recycled/reused within the factory premises. Domestic sewage shall be treated in sewage treatment plant	<ul style="list-style-type: none"> <li>• Industrial effluent generation for 2021-22 is 487 m<sup>3</sup>/hr which is within the allowable limit of 497 m<sup>3</sup>/hr and is treated in the effluent treatment plant of the refinery.</li> <li>• Industrial effluent generation post project shall be maintained within 497 m<sup>3</sup>/hr.</li> <li>• Zero liquid discharge is being maintained at Barauni Refinery except during heavy rainfall, when excess surface run off may have to be allowed to flow into Refinery owned pit (Burrow</li> </ul>

	(STP).	<p>Pit) adjacent to refinery premise in the West.</p> <ul style="list-style-type: none"> <li>• Treated effluent is being reused for following purpose in the refinery: <ul style="list-style-type: none"> <li>○ Cooling Tower makeup water</li> <li>○ Fire water make up</li> <li>○ Coke cutting water</li> <li>○ Make up water for Eco Ponds</li> <li>○ Horticulture in Eco park</li> </ul> </li> <li>• Domestic sewage is treated in biological treatment plant of the refinery.</li> <li>• <b>Complied.</b></li> </ul>
xi.	Automatic mechanical Oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	<ul style="list-style-type: none"> <li>• Oil catchers have been constructed at following strategic locations of the refinery: <ul style="list-style-type: none"> <li>○ West of AVU-III</li> <li>○ West of RFCCU</li> <li>○ South of DHDT</li> <li>○ East of Coker A</li> <li>○ North of Coker A</li> <li>○ North west corner of Stores</li> <li>○ Final drain going to Burrow Pit.</li> </ul> </li> <li>• Oil containment booms have also been installed at 3 nos of strategic locations in the refinery.</li> <li>• Oil collected/trapped by oil catcher and oil containment booms are transferred to ETP mechanically through gully suckers.</li> <li>• <b>Complied.</b></li> </ul>
xii.	The oily sludge shall be subjected to melting pit for oil recovery and the residue shall be bio-remediated. The sludge shall be stored in HDPE lined pit with proper leachate collection system.	<ul style="list-style-type: none"> <li>• RCC pit for storage of Oily Sludge is in place and mechanized skid process has been deployed for better recovery of oil from oily sludge in place of melting pit. Presently M/S Viraj Clean Sea Enterprises P ltd is engaged for this job.</li> <li>• Residual oily sludge is bio-remediated in confined space bioremediation reactor (CBR).</li> <li>• Bottom sludge of CBR is being sent to M/s Niloy Narayan Polychem LLP, Dhanbad.</li> <li>• <b>Complied.</b></li> </ul>

xiii.	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESR) based on Public Hearing issues and item wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Ranchi.	<ul style="list-style-type: none"> <li>• Detailed ESR plan attached as Annexure-2.</li> <li>• <b>Complied.</b></li> </ul>
xiv.	Green belt should 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 should be ensured.	<ul style="list-style-type: none"> <li>• Total plot area of the refinery: 887.83 acres.</li> <li>• Green belt area in Refinery: 43.8 acres.</li> <li>• Green belt area in Refinery Township: 82.19 acres.</li> <li>• Total green belt area: 125.99 acres.</li> <li>• Total 1,36,208 nos. Trees planted during period from 1995 to 2021-22.</li> <li>• Total 13,100 nos. Trees planted in year 2021-22.</li> <li>• Since, there is no further land available for tree plantation in Refinery and township hence, an agreement has been done with Forest department on 21.10.2021 for 1,65,000 nos. trees plantation in 180 Hectare land. Application has been submitted to MoEF&amp;CC dated 26.10.2021 for amendment in EC for the same. EAC meeting for approval is awaited.</li> <li>• <b>Being complied</b></li> </ul>
<b>B General Conditions</b>		
i.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	<ul style="list-style-type: none"> <li>• Stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority are being followed.</li> <li>• <b>Complied.</b></li> </ul>
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or	<ul style="list-style-type: none"> <li>• Prior approval of ministry would be taken before carrying out any expansion or modification of the plant if required.</li> <li>• <b>Complied.</b></li> </ul>

	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 locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	<ul style="list-style-type: none"> <li>• Eight manual (four in Refinery, one in township and three in periphery villages) air quality monitoring stations have been set up. Ambient air quality is checked twice in a week as per revised MoEF&amp;CC standards 2009. Report enclosed.</li> <li>• Three continuous online monitoring stations provided for ambient air quality monitoring covering 8 parameters viz PM 10, PM 2.5, SO<sub>2</sub>, NO<sub>x</sub>, CO, NH<sub>3</sub>, Benzene and Ozone. The stations are also directly connected online with servers at CPCB and Bihar State Pollution Control Board (BSPCB).</li> <li>• <b>Complied.</b></li> </ul>
iv.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	<ul style="list-style-type: none"> <li>• Ambient air quality is checked twice in a week in eight manual ambient air quality monitoring stations as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009.</li> <li>• <b>Complied.</b></li> </ul>
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 Environment (Protection) Act, 1986 Rules viz. 75 dBA (day time) and 70 dBA (night time).	<ul style="list-style-type: none"> <li>• The ambient noise levels from existing facilities conform to the standards prescribed under standards prescribed under Environment (Protection) Act, 1986 Rules.</li> <li>• For personnel working in the proximity of high noise generating equipments, appropriate PPEs are used, and exposure is controlled through job rotation, education and awareness.</li> <li>• Adequate noise control measures also taken in new facilities in the project.</li> <li>• Noise monitoring is done quarterly by external</li> </ul>

		<p>agency. Report enclosed.</p> <ul style="list-style-type: none"> <li>• <b>Complied.</b></li> </ul>
vi.	<p>The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.</p>	<ul style="list-style-type: none"> <li>• Rain water harvesting has been implemented at 21 buildings of Barauni Refinery and township in which water collected from roof top of various buildings is recharged to ground water. Additionally, whole surface run-off of township is also diverted to 3 nos. of recharge pits.</li> <li>• Storm water drain of the refinery has been routed to ETP and storm water is being reused in refinery operation after treatment along with ETP water except during heavy rainfall, when excess surface run off may have to be allowed to flow into Refinery owned pit (Burrow Pit) adjacent to refinery premise in the West.</li> <li>• <b>Complied.</b></li> </ul>
vii.	<p>Training shall be imparted to all employees on Safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemical shall be imparted.</p>	<ul style="list-style-type: none"> <li>• Training is continuously imparted to all employees on chemical handling.</li> <li>• Pre – employment medical examination of all employees are carried out before joining the organization.</li> <li>• Routine periodical medical examination as per statutory requirement is carried out on regular basis.</li> <li>• <b>Complied.</b></li> </ul>
viii.	<p>The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.</p>	<ul style="list-style-type: none"> <li>• Presently Environmental Monitoring of all required parameters in Refinery is carried out periodically. The existing practice shall be extended for the proposed project as per EIA/EMP report.</li> <li>• Recommendations of Quantitative Risk Analysis are being implemented along with project execution.</li> </ul>
ix.	<p>The company shall undertake all relevant measures for improving the socio economic conditions of the surrounding area. CSR activities shall</p>	<ul style="list-style-type: none"> <li>• Being done based on the drawn up schedule as part of CSR. CSR plan is finalized in consultation with mukhiyas of surrounding villages.</li> <li>• <b>Complied</b></li> </ul>

	be undertaken by involving local villages and administration.	
x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	<ul style="list-style-type: none"> <li>• Being done based on the drawn up schedule as part of CSR.</li> <li>• <b>Complied</b></li> </ul>
xi.	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	<ul style="list-style-type: none"> <li>• BR has a full-fledged environment protection cell and a well equipped dedicated pollution control laboratory established back in 1975.</li> <li>• <b>Complied</b></li> </ul>
xii.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds to earmark for environment management/pollution control measures shall not be diverted for any other purpose.	<ul style="list-style-type: none"> <li>• In addition to one time investment in facilities for combating pollution, separate funds are allocated for specific activities such as environment monitoring, operation and maintenance of effluent treatment plant, oil recovery from oily sludge through mechanized skid process and studies related to environment etc.</li> <li>• <b>Being complied.</b></li> </ul>
xiii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZilaParisad / Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	<ul style="list-style-type: none"> <li>• The instant project being environment project was exempted from public hearing. Further, no suggestions were received from Panchayat, Zila Parisad / Municipal Corporation, Urban local Body and the local NGO while processing the proposal. Nevertheless, copy of clearance has been sent to District Magistrate, Begusarai and Municipal Commissioner, Begusarai Nagar Nigam vide letter dated 22.02.2020. Attached as Annexure-3.</li> <li>• <b>Complied</b></li> </ul>
xiv.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance	<ul style="list-style-type: none"> <li>• A six monthly compliance report and the monitored data are submitted regularly.</li> <li>• EC Compliance status of various projects is</li> </ul>



	<p>conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&amp;CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.</p>	<p>being hosted on <a href="https://www.iocl.com/Talktous/SNotices.aspx">https://www.iocl.com/Talktous/SNotices.aspx</a>. Alternatively, one can reach IOCL home page at <a href="https://www.iocl.com">https://www.iocl.com</a> and thereafter selecting "We're Listening" tab followed by opening "Statutory Notices".</p> <ul style="list-style-type: none"> <li>• <b>Complied</b></li> </ul>
xv.	<p>The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as its mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&amp;CC by e-mail.</p>	<ul style="list-style-type: none"> <li>• Environment Statement for each financial year is submitted to Bihar State Pollution Control Board. Same is sent to Regional Office of MoEF&amp;CC.</li> <li>• <b>Complied</b></li> </ul>
xvi.	<p>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <a href="http://moef.nic.in">http://moef.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 concerned Regional Office of the Ministry.</p>	<ul style="list-style-type: none"> <li>• The information regarding accord of Environment clearance for the subject project has been advertised in two local newspapers. Copy enclosed as <b>Annexure-4</b>.</li> <li>• <b>Complied.</b></li> </ul>

xvii.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	<ul style="list-style-type: none"><li>• The date of final approval of the project is 13.02.2015 and date of commencement is March 2017.</li><li>• <b>Complied.</b></li></ul>
-------	--	--

**Note-** Ambient air monitoring, stack monitoring and noise monitoring reports are attached separately

### Status and Action Plan for Compliance of Revised Emission and Effluent Standards 2008 at Barauni Refinery

#### Schedule -I: Petroleum Oil Refinery

##### A. Effluent Discharge

SN	Standard	BR status and action plan
1	Treated Effluent Quality	No effluent is discharged outside refinery. Treated effluent is totally reused and its quality is maintained as per MINAS. Reports attached separately.  <b>Complied</b>

##### B. Emissions

SN	Standard	BR status and action plan
2	H <sub>2</sub> S in Fuel Gas	H <sub>2</sub> S in Fuel Gas is within limits as required under revised standards. <b>Complied</b>
3	SO <sub>2</sub> Emissions	These parameters are monitored through online stack analyzers. These analyzers are directly connected to CPCB and BSPCB servers. Emissions are under within limit. Reports attached separately. <b>Complied</b>
4	NO <sub>x</sub> Emissions	
5	CO Emissions	
6	Particulate Matter (PM) Emissions	<b>COMPLIED.</b>
7	Nickel and Vanadium (Ni+V)	<b>COMPLIED.</b>

	Emissions	
8	Sulphur Content in Liquid Fuel	<b>COMPLIED.</b>
9	Continuous Monitoring System for SO <sub>2</sub> & NO <sub>x</sub> emissions	Continuous monitoring is done through online analyzers. These analyzers are directly connected to CPCB and BSPCB servers. <b>Complied</b>
10	Opacity of Flue Gas ex FCCU Regenerators	RFCCU was commissioned at Barauni Refinery along with flue gas scrubbing technology supplied by M/s Belco, USA. In the Belco unit, the flue gas is scrubbed with water & diluted caustic solution (<0.5 % concentration by wt.) to remove SO <sub>x</sub> and particulate matter. PM level in flue gas is less than 30 mg/Nm <sup>3</sup> . High volume of condensed water vapor generated during water scrubbing of flue gas escapes through the BELCO stack as whitish plume. Opacity meter under such condition is not considered relevant as it will not be effective due to high moisture content in flue gas. Further, PM analyzers have been installed in RFCCU stack through which particulate matter ex-RFCCU stack is monitored, which is closely akin to monitoring of opacity in flue gas. Therefore opacity meter installation at RFCCU is not planned. <b>Complied.</b>
11	Sulphur Recovery from SRU	SRU at Barauni refinery meets the revised standard. <b>COMPLIED.</b>
12	H <sub>2</sub> S emissions from SRU	SRU at Barauni refinery meets the revised standard. <b>COMPLIED.</b>

### C. Fugitive Emission

SN	Standard	BR status and action plan
----	----------	---------------------------

13	Storage tanks with capacity between 4 to 75 m3 and TVP of more than 10 kpa	Not Applicable.
14	Storage tanks with capacity between 75 to 500 m3 and TVP of 10 to 76 kpa	Not Applicable.
15	Storage tanks with capacity of more than 500 m3 and TVP of 10 to 76 kpa	Storage tanks of Crude, MS & SRN have TVP of 10 to 76 kpa. All such tanks are IFRT or EFRT. <b>COMPLIED.</b>
16	Storage tanks with capacity of more than 500 m3 and TVP of more than 76 kpa	Not Applicable
17	Provision of secondary seals in floating roof tanks	All such tanks at Barauni Refinery are equipped with double seal. <b>COMPLIED.</b>

18	<b>Emission control in Rail Tank Wagon/ Road Tank Truck loading for Gasoline and naphtha for VOC reduction</b>	Barauni Refinery complies most of the revised standards for petroleum refineries as notified in Gazette of India on 18th March'08 except vapor recovery system in tank wagon/tank truck. For VOC reduction of 99.5% and emission control to 5 gm/m <sup>3</sup> in case of Gasoline and Naphtha loading, VOC recovery system at Loading Gantry would be required. Existing gantry at Barauni refinery does not have adequate space for laying a bigger dia header all along the gantry and other equipments for vapour recovery system. It will also require the shutdown of product loading gantry for 3-4 months to install this facility. Outage of gantry for such a long period cannot be allowable in view of the chances of market dry out of the major petroleum products.
19	<b>Equipments leak and LDAR programme</b>	<b>COMPLIED.</b>

**D. Emission Standards for VOC from Wastewater Collection and Treatment**

20	<b>VOC Collection &amp; Treatment System</b>	VOC treatment system as a part of ETP modernization project has been installed and commissioned.  <b>COMPLIED.</b>
----	--	--

**Schedule -VI, Part C: Petroleum Oil Refinery**

<b>SN</b>	<b>Standard</b>	<b>BR status and action plan</b>
21	<b>Quantum limit for discharge of total effluent</b>	No effluent is discharged outside refinery. Treated effluent is totally reused.
22	<b>Limit of quantity of effluent discharged</b>	

Details of CER Expenditure (FY 2021-22) is as mentioned below,

<b>Barauni Refinery : SUMMARY OF CER POJECTS</b>			
<b>Sr</b>	<b>Name of Project</b>	<b>Approved Amount (Rs in lacs )</b>	<b>Expenditure Amount (Rs in lacs )</b>
<b>1</b>	Construction of Boundary Wall, Internal Road and provision of street lights in the Burrow Pit area of Barauni Refinery	1232	595.00
<b>2</b>	Construction of 04(Four) Nos of classrooms in Middle School Govindpur located in the vicinity of Refinery	65	63.00
<b>3</b>	Manure Management Project with Sudha Dairy in Technical Support by National Dairy Development Board (NDDB), Anand	113	84.00
<b>4</b>	Construction of 6-Bed Burn Ward in the Sadar Hospital Begusarai	386	77.52
<b>5</b>	Provision of Medical Grade Oxygen Cylinders with flow meter and disosable masks & pulse oxymeters for providing treatments to COVID patients by Begusarai District Administration	10.00	10.00
<b>6</b>	Establishment of 01(One) Nos of PSA based Oxygen Generation Unit of capacity 450 M3/Hour with refilling capacity at Barauni Refinery under Corporate Environmental Responsibility	991	821.00
<b>7</b>	Establishment of PSA based medical-grade Oxygen Generation Plant at Govt Hospital, Teghra for COVID treatment facilities under CER Initiative of Barauni Refinery	143	84.00
<b>8</b>	Setting up of 50-Bed Pediatric Care Unit at Sadar Hospital Begusarai and Hospital	752	33.00
	<b>Total Expenditure till date</b>	<b>3692.00</b>	<b>1767.52</b>

**Annexure-2.1**

Following is the details of the CSR activities for the year FY2021-22

<b>Barauni Refinery : SUMMARY OF CSR POJECTS (FY 2021-22)</b>		
<b>Sr</b>	<b>Name of Project</b>	<b>Expenditure Amount (Rs)</b>
<b>1</b>	Scholarship scheme of 'Barauni Refinery Dinkar Uchch Shiksha Sahayata Yojana' under CSR scheme of Barauni Refinery for the FY 2021-22	1,600,000.00
<b>2</b>	Scholarship scheme of 'Barauni Refinery Shri Krishan Singh Chatravratti Yojana' under CSR scheme of Barauni Refinery for the FY 2021-22	3,800,000.00
<b>3</b>	Gyanodaya Scholarship Scheme for 2021-22	5,190,000.00
<b>4</b>	Provision of Soap & Masks in nearby areas of Barauni Refinery for COVID prevention.	2,325,600.00
<b>5</b>	Setting up of Smart Class in Ramdiri Ramnagar School located in nearby area of BR	918,479.93
	<b>Total Expenditure for FY 2021-22</b>	<b>13,834,079.93</b>



Annexure-3



रिफाइनरीज प्रभाग  
Refineries Division

इंडियन ऑयल कॉर्पोरेशन लिमिटेड  
बरोनी रिफाइनरी, डाकघर : बरोनी ऑयल रिफाइनरी,  
जिला : बेगूसराय, बिहार - 851 114

Indian Oil Corporation Limited  
Barauni Refinery, P.O. : Barauni Oil Refinery,  
Distt. : Begusarai, Bihar - 851 114  
वेबसाइट : www.iocl.com

ई-मेल : baraunirefinery@indianoil.in  
दूरभाष : 06243-240159 / 240110  
फैक्स : 06243-240150 / 240278

ISO : 9001, 14001 & OHSAS : 18001 Certified Refinery



Ref.No.: TS/HSE/2020/02/1146.

Date : 22.02.2020

To,

District Magistrate,  
Begusarai, Bihar


Sub: Copy of EC received by IOCL, Barauni Refinery for record

Dear Sir,

A copy of Environmental Clearance from MoEF&CC, received by IOCL, Barauni Refinery via F. No. J-11011/15/2015-IA-II (I), for the project for MS quality up-gradation & HSD quality up-gradation in Barauni Refinery at District – Begusarai, Bihar by M/s IOCL, is attached for your kind perusal and record.

Thanking you,

Yours faithfully,

  
30.02.2020

(S K Bhanu)

DEPUTY GENERAL MANAGER (HSE)

Encl: As above.

  
28-2-20

Barauni Refinery - In harmony with nature

पंजीयता कार्यालय : जी-9, अली यावर जंग मार्ग, बान्द्रा (पूर्व), मुंबई-400 051, महाराष्ट्र (भारत)  
Regd. Office : G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai-400 051, Maharashtra (India)  
CIN - L 23201 MH 1959 GOI 011388



रिफाइनरीज प्रभाग  
Refineries Division

इंडियन ऑयल कॉर्पोरेशन लिमिटेड  
बरीनी रिफाइनरी, डाकघर : बरीनी ऑयल रिफाइनरी,  
जिला : बेगूसराय, बिहार - 851 114

Indian Oil Corporation Limited

Barauni Refinery, P.O. : Barauni Oil Refinery,

Dist. : Begusarai, Bihar - 851 114

वेबसाइट : www.iocl.com

ई-मेल : baraunrefinery@indianoil.in

दूरभाष : 06243-240159 / 240110

फैक्स : 06243-240150 / 240278

ISO - 9001, 14001 & OHSAS : 18001 Certified Refinery



Ref.No.: TS/HSE/2020/02/1145

Date : 22.02.2020

To,


Municipal Commissioner,  
Begusarai Nagar Nigam  
Begusarai, Bihar

Sub: Copy of EC received by IOCL, Barauni Refinery for record

Dear Sir,

A copy of Environmental Clearance from MoEF&CC, received by IOCL, Barauni Refinery via F. No. J-11011/15/2015-IA-II (I), for the project for MS quality up-gradation & HSD quality up-gradation in Barauni Refinery at District - Begusarai, Bihar by M/s IOCL, is attached for your kind perusal and record.

Thanking you,

  
22/02/2020

Encl: As above.

Yours faithfully,

  
22.02.2020  
(S K Bhanu)

DEPUTY GENERAL MANAGER (HSE)

Barauni Refinery - *In harmony with nature*

पंजीकृत कार्यालय : जी-9, अली यावर जंग मार्ग, बान्द्रा (पूर्व), मुम्बई-400 051, महाराष्ट्र (भारत)  
Regd. Office : G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai-400 051, Maharashtra (India)  
CIN - L 23201 MH 1959 GOI 011388

**Copy of advertisement regarding receipt of Environment Clearance in two local newspapers**



HINDUSTAN TIMES, PATNA  
WEDNESDAY, MAY 17, 2017

hind

# Triple talaq a matter of faith for 1,400 yrs: Sibal

**IN COURT** Likens divorce law to belief about Ram's birthplace

**Bhadra Sinha**  
letters@hindustantimes.com

**NEW DELHI:** The All India Muslim Personal Law Board (AIMPLB) on Tuesday defended triple talaq in the Supreme Court, saying it was being practised for 1,400 years and was a matter of faith just like Ram Lalla's birthplace.



■ Kapil Sibal

The board brought up the long-pending dispute over building a temple to Lord Ram in Ayodhya, which Hindus believe is his birth place, before a five-judge constitution bench which is hearing petitions demanding scrapping of the controversial divorce practice.

Several Muslim women have told the court the custom was biased and against gender justice. "Triple talaq is not a question of equity and good conscience but of faith. Can't bring constitutional morality into it," board's lawyer and senior Congress leader Kapil Sibal said.

He also said while Hindu laws protected all customs "in Muslim law they say customs violate Constitution".

In a Hindu majority state, Muslims, who were a minority, should be protected.

Several Muslim women have told the court the custom was biased and against gender justice. The Centre backs the petitioners, saying the practice was unconstitutional and against equality.

**SHARIA WAS PERSONAL LAW AND NOT SUBJECT TO FUNDAMENTAL RIGHTS, SIBAL SAID ABOUT THE ISLAMIC LEGAL AND MORAL CODE**

Triple talaq is the lone controversial way Sunni Muslim men in India can get a divorce. It allows a man to end a marriage by uttering the word talaq thrice in quick succession.

Attorney general Mukul Rohatgi said it wasn't the court's job to interpret the Quran and it should consider the constitutional validity of triple talaq and not restrict itself to examining whether the custom was fundamental to practicing the faith.

If the government brings in a new law it could mean the start of a process to overhaul Muslim personal laws in India that are now guided by a 1937 Sharia code. India has separate sets of personal laws for each religion governing marriage, divorce, succession, adoption and maintenance.

The country's top law officer disagreed with the court that the government should first address whether triple talaq was "essential to religion or not", saying the it was not an ecclesiastical court.

*(With agency inputs)*

## Victim kin allege death in custody, block NH 30

**Mukesh K Mishra**  
mkipata@hindustantimes.com

**PATNA:**irate over alleged custodial death of a labourer, his family members blocked National Highway (NH) 30 near the bypass and disrupted movement of traffic for many hours on Tuesday. They also damaged windowpanes of several vehicles and raised slogans against the police, demanding immediate arrest of the cops involved in his killing.



The deceased, Chote Lal Bind, 30, had died during treatment at Patna Medical College Hospital (PMCH) on Monday. However, his family alleged that Bind was killed in police custody.

Bind was arrested from Begampur area under Bypass police station on charge of consuming liquor on May 11.

Laxmania Devi, wife of Bind, alleged that her husband was murdered in police custody. "There were no injury marks on his body when he was arrested by the Bypass police on May 11. But, when we saw his body on Monday, it wore injury marks on

his face, which proved that he was tortured and killed in police custody during interrogation," she said.

The road blockade was lifted after senior police officers reached there and assured to take action against the guilty policemen.

Station house officer (SHO), Bypass police station, Rajendra Prasad said the cause of the death would be known only after getting the postmortem report.

The SHO, however, said, Bind died in course of treatment at the PMCH on Monday.

**Ajay Kumar**  
ajayk@hindustantimes.com

**MUZAFFARPUR:** Muzaffarpur north of Patna, an FIR against a victim who had a paramour, for a case against the police.

The FIR was a police station evening agah and her sev hatching a co cate her husba in a false mur leading the po

Sharma, i quently arre killing Kumar under judic

Police said tered after S Lalita Devi i senior superi Vivek Kumar ing for releas

Saraiya pc Santosh Mish tioner, said K ily members

from page one

### I-T raids

Yadav is the deputy chief minister of Bihar.

Union minister Ravi Shankar Prasad had alleged that these transactions were a case of 'quid pro quo' as they dated to the period when Lalu Prasad was the railway minister, and dared Bihar chief minister Nitish Kumar to take action against him. He had claimed one such land deal involving Lalu and his family members was in Bijwasan in Delhi.

Reacting sharply, the Bihar strongman alleged that the BJP had "let loose the government machinery on Bihar". The BJP

setback to the powerful regional satrap who was disqualified from Parliament and banned from contesting elections after he was convicted of corruption in 2013 in one of the biggest scams in Bihar.

However, shortly after Lalu's tweet, RJD spokesperson Manoj Jha appeared to have launched a damage control exercise, saying the reference to "new alliance partners" was an allusion to how the BJP had picked up the income-tax department and CBI as its partners to harass political rivals.

"We say, I-T and CBI have now become BJP's new alliance partners as they are helping

### Nitish

when he broke his silence over the alleged acquisition of assets worth Rs 1,000 crore by RJD chief Lalu Prasad and his family, through shell companies at throwaway prices.

The matter related to the company affairs department and the Centre was competent to initiate action, if there was documentary evidence to warrant an inquiry, he had said in the presence of Prasad's son and deputy CM Tejashwi Prasad Yadav after the conclusion of his weekly Lok Samvad programme.

from page one

### Housing

ary, cabinet secretary, Brijesh Mehrotra said there was a shortage of about 1.87 crore houses for economically weaker sections in the country.

Under the policy, state agencies engaged in construction of houses and development of plots,

including BSHB, urban local bodies and planning authorities, would have to allocate 50% of the plots and houses for EWS and LIG sections in all projects involving 4000 square metres of land and more.

"Of the total allocation, 50% will be earmarked for EWS and

rest for LI

Mehrotra. "As per the private develop allocate 15% plots and ho their project square met and LIG sec

**IndianOil**

CIN - L 23201 MH 1959 GOI 011388  
Refineries Division - Barauni Refinery

**PUBLIC NOTICE**

It is to bring to kind notice of all concerned that Barauni Refinery has received Environment Clearance for MS Quality Upgradation & HSD Quality Upgradation Project vide Ministry's clearance letter no. J-11011/15/2015 - IA II (I) dated 06.03.2017. The copy of the Environment Clearance letter is available with Bihar State Pollution Control Board and may also be seen at website of the Ministry at <http://moef.nic.in>

**MB**

Eligib  
Selec  
Exer  
Scho  
\*IIMS



# अगमकुआं थाना क्षेत्र के छोटी पहाड़ी स्थित गोदाम से खाद्य सुरक्षा विभाग ने 230 टन मिलावटी सरसों तेल के धंधे का

## अवैध कारोबार

पटना सिटी | हिन्दुस्तान प्रतिनिधि

खाद्य सुरक्षा विभाग ने अगमकुआं थाना क्षेत्र के छोटी पहाड़ी, सम्राट पेट्रोल पंप के पास स्थित गोदाम में छापेमारी कर मिलावटी सरसों तेल के धंधे का भंडोफोड़ किया है। टीम ने मौके से सरसों तेल के नमूने जब्त कर लिया है। जिसे जांच के लिए लैब भेजा जा रहा है। आर्थिक अपराध ईकाई के इंस्पेक्टर देवनारायण पासवान ने बताया कि एक बड़े गैलन में छह हजार लीटर पॉम ऑयल जब्त किया गया है। गौरतलब है कि बीते 21 फरवरी को ही तीन हजार टन मिलावटी सरसों तेल जब्त किया गया था।

गुप्त सूचना के आधार पर खाद्य सुरक्षा की टीम ने पुलिस के साथ मिलकर मंगलवार की दोपहर गोदाम में छापा मारा। जहां बड़े पैमाने पर सरसों का तेल का निर्माण और पैकिंग किया जा रहा था। टीम को सूचना मिली थी कि कारखाने में पॉम ऑयल, रंग और एसेंस के मिश्रण से सरसों तेल तैयार किया जा रहा है। कारखाने में छापेमारी से आसपास के

लिए निजी बोरिंग पंप व बिनी सार्वजनिक पर जुटे रहे। सबसे ज्यादा परेशानी सुबह में ऑफिस व अन्य कामों पर जाने वाले लोगों को को हुई। वहीं कुछ इलाकों के लोग स्नानादि के लिए गंगा घाट का सहारा लिया। इधर सुबह से लेकर दोपहर तक कई इलाकों में महिलाओं को तसला-बाल्टी लिए पानी की जुगाड़ के लिए भटकना पड़ा।

स्थानीय लोगों ने बताया कि आलमगंज थाना क्षेत्र के बबुआगंज स्थित बोरिंग पंप का रॉड टूट जाने से शनिवार की दोपहर से ठप पड़ा है। वहीं खाजेकलां थाना क्षेत्र के गुरुगोविंद सिंह अस्पताल परिसर स्थित बोरिंग पंप कारखाने की शाम से ठप पड़ा है। इस पंप का भी रॉड टूट जाने से जलापूर्ति बंद रही।

किन्तु इन इलाकों में रखा जलसंकेत : केने बोरिंग पंप ठप होने से 40 हजार से अधिक की आबादी पीने की पानी के लिए हासिलान रहे। नतीजतन बबुआगंज, खाजेकलां, आलमगंज, हाथी बगान, आध्यात्म, चौराहा, गुलशन, आदि इलाकों में लोगों को खाने के लिए भटकना पड़ा।

## मचा हड़कंप

- खाद्य सुरक्षा विभाग ने मारा छापा, जांच के लिए लैब भेजा तेल का नमूना
- बड़े पैमाने पर गोदाम में किया जा रहा था सरसों तेल का निर्माण और पैकिंग
- अवैध रूप से मिलावट करने वालों में मची अफरा-तफरी

**06** हजार लीटर पॉम ऑयल एक बड़े गैलन से जब्त

**150** खाली कंटेनर व मिलावट के सामान बरामद

भनक लगते ही फरार हो गया। छापेमारी टीम में खाद्य सुरक्षा पदाधिकारी सुदामा चौधरी, मुकेश कश्यप, आर्थिक अपराध ईकाई के इंस्पेक्टर देवनारायण पासवान, दीपक प्रकाश, अरविंद कुमार राय शामिल थे।

टीम का कहना है कि मिलावट की सूचना पर छापेमारी कर नमूना को जांच



मिलावटी तेल से स्वास्थ्य को नुकसान

- किड़नी और लीवर को खराब कर देता है
- गॉल ब्लाडर कैंसर का खतरा बढ़ जाता है
- नर्व सिस्टम को नुकसान पहुंचाता है
- पाचन तंत्र में खराबी से भूख खत्म हो जाती है

## गुलजारबाग में मिला पॉम ऑयल

छोटी पहाड़ी स्थित कारखाने में मिले सुराग के आधार पर अजय कुमार के गुलजारबाग स्थित गोदाम में देर शाम छापेमारी की गई। जहां से

चलाया। इस दौरान आरओबी के नीचे अवैध रूप से चला रहे दुकानों को जब निगमकर्मियों ने हटाने का प्रयास किया तो दुकानदारों ने इकट्ठे होकर विरोध करना शुरू कर दिया। अतिक्रमणकारियों से 21 सी जूमांन के दौर पर वसूली की।

**इंडियन ऑयल**

**आम सूचना**

सभी संबंधितों को सूचित किया जाता है कि दिनांक 06.03.2017 के मंत्रालय के स्वीकृति पत्र संख्या- J-11011/15/2015 - IA II (I) के द्वारा बरौनी रिफाइनरी को एमएस गुणवत्ता उन्नयन एवं एचएसडी गुणवत्ता उन्नयन परियोजना के लिए पर्यावरण स्वीकृति मिल गई है। पर्यावरण स्वीकृति पत्र की प्रति बिहार राज्य प्रदूषण नियंत्रण बोर्ड में उपलब्ध है। इसे मंत्रालय की वेबसाइट <http://moef.nic.in> पर भी देखा जा सकता है।

01.	Construction of Anti Flood Regulator at Balgadar in Haraha Block Lakhisarai, District Lakhisarai
02.	Construction of Anti Flood Sho Point of Damra Sota (PST) Mohanpur under Ghoswari block
2.	विशेष अग्रणीय सूचना प्रदान करने
3.	विशेष अग्रणीय सूचना प्रदान करने
	विशेष अग्रणीय सूचना प्रदान करने
5.	विशेष अग्रणीय सूचना प्रदान करने
6.	विशेष अग्रणीय सूचना प्रदान करने
7.	विशेष अग्रणीय सूचना प्रदान करने
8.	विशेष अग्रणीय सूचना प्रदान करने
9.	विशेष अग्रणीय सूचना प्रदान करने
10.	विशेष अग्रणीय सूचना प्रदान करने
11.	विशेष अग्रणीय सूचना प्रदान करने